



MICROCOPY RESOLUTION TEST CHART NATIONAL BUREAU OF STANDARDS-1963-A

PHOTOGRAPH THIS SHEET LEVEL INVENTORY SMOS, Whiting Field, Fl.

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AD-A150 643

# **SMOS**

## SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

STATION:

#93841 Whiting Field, FL

PERIOD:

HOURLY 1/73-12/82 DAILY 2/45-12/82

MOR NO. 72006

DATE

August 1984

PREPARED BY
NAVAL OCEANOGRAPHY
COMMAND DETACHMENT,
FEDERAL BUILDING
ASHEVILLE, N.C. 28801

PREPARED FOR COMMANDER, NAVAL OCEANOGRAPHY COMMAND NSTL MS 39529



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(SMOS) Whiting Field, FL		6. PERFORMING ORG, REPORT NUMBER
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#### SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

This update includes the period of record (POR) 1973 through 1982, with all available data through 1982 for extreme values.

This summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

<u>DESCRIPTION</u>: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

<u>COMMENT</u>: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of "O". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Oceanography Command Detachment (NOCD), Asheville, N.C. welcomes your comment and criticisms.

	3841	Whiting Field (Milton),	Florida	30°	43'N	87°01'W	PATIONELEV (FT)	KNSE	#40 /Je	.•
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2.	Room 34,	building 1424	"	1950	1953	30°43'N	**	196	"	"
3.	First de	ck hangar 1424	"	1953		11	н	175	"	"
4.	First de	ck hangar 1424	"	1960		"	ti	177	"	"
la.	Weather	service office	"	1959	1975	"	**	179	Aneroid	"
2a.	Second d	eck of hangar 1424	"	1975		"	**	222	"	24
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2.	1957	South field hangar roof		UMQ-5	RD-108	'   "	3. Ceiling 4. Cloud he	light (	(IL-121)	.3)
3.	1958 、	Selsyn replaced with aerov	ane	"	"				(AN/GMQ-10	
4.	1959	North of weather office		UMQ-5D	"	13'				
l	:			-	1					

NWSD. Federal Building

NOCD, Federal Building Asheville, N. C.

#### PART A

#### WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

- 1. By month and annual, all hours and years combined.
- 2. By month and annual, all hours and years combined, by wind direction.
- 3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category or the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

#### PART A

#### ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "\$ OF OBS WITH PRECIP" and "\$ OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN dat: prior to January 1949.

Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

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MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
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	;	. 1	y .					1000	r u			-,.	711
TOTALS	L						١.,	17.9	. j. 4			32.6	2-4

PUTC NTAGE FOROUTHER OF OF OUR RELOG OF VERTHUR COGNETIONS FROM HOUSELY DESCRIPTIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
4 . ;		1	5. ′			_	τ	31.7	14.3			4.	3 "
	1:	. 7	4,-		•		4.	31.3	14.7		· · · · · · · · · · · · · · · · · · ·	43.7	- "
		. 3	7.		<u> </u>		7.	B4.7	16.3			-:.	• .
	**	100	• .				7		75.7			4 .	
	_1^		5.7				,,		23.1		·-··	٠,	
	<u> </u>	.3	7.7				- 7	"•	17.			12.1	
	_1_		5.7				7	11.	1: • 7			25.7	
		7	5.27				7	3.4	15.7			73.7	
		ļ	 										
													<del></del>
TOTALS			ட் க <b>்</b>					23.7	17.			36.4	24.5

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n. Chatane Pronistant on bid Warnage of Scatteria Charteina erry House Kouservations

MONTH	HOURS (L,S,T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW		% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
<u> </u>			7					24	11.5			32.0	1.
			٠.			_		76.	11.7		. 3	24.	1
		1.0	5.,4					7	11.		. 3	, ,	•:
1.5			5.0					7	1.	<u> </u>	,		• !
	11_		7				,,	1.	16.5			27.	7.
		. 3	5.				ţ	1.1	15.7			20.5	:
			7,,				•	1.0	<u> </u>			-(	
	1	• 5	7.1				i • 1	11	1 5.6			1	
TOTALS		. 4	7.7				7.7	10.5	15,2			31.	247

THE CHATAGE F FORENCY OF OCCUPENDED OF HEATHER OF NESTIGATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	2 L 1		<u>:</u>				1	2: .5	11.00		_	1,7 4	247;
		1.3	. 7				٠. ف	عه -	1100			ī, ș,	3011
		- 3						· . 7	21.		.1	32.3	244
		 	_ :.1					1 5 . 7	.2.5		. 3	x / .	24 "
			5.1					71.4	36.5			. 3	263
		-, ,	4.5				1.5	17.5	3		•	40.	2.4
			7.			• .	7.	25.4	4 ; • /				2471
·		4.0	Se.				5.01	24	<u> در ب</u>	ļ		5.4	2
			. <u>.</u>					7.02	*,,-				2% "
		•						1:04	21.00			72.01	2 4 .
• •			6.3				<u>5 •</u>	27.47	17.			•: •:•	2. 7
		.4	7.7			-	٠,,	10.	15.3			31	247
TOTALS		2			:	نو	7.	22.3				43	- 9 -

HITTING FIELD. FL JANUARY 1973-DECEMBER 1982

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	100	ICE FUG TRUCNO FUG	550 FF	EL VIN	6 1 a 5 2 a 4 4 4 7	1. 2.14.115
N	7.2	1.1	3.3		• 3				12.5	1.6	13.2	•	•	67.
NNE	10.7	1.8	3.0			1.8		. é	16.7	3.6	16.1	•	•	64.5
NE	11.4	4.5	5.7					1.3	72.5	2.	1 . 5	•	•	50.7
ENE	15.1		2.7		1.4				35.6	2.7	12.3	:	•	49.5
E	11.1	3.2	3.2					• 9	71.0	3.2	11.9	1		55.6
ESE	10.2	3.7	8.3			•		1.9	26.7	6.5	23.1			( 41.7°
SE	5.6%	.9	4.3						33.6	9.5	25.9			37.1
SSE	1.7	1.9	7.8					1.0	32.4	2.9	26.7	í		40
s	7.5	4.6	1.7					• 5	₹0.5	4.0	23.0			41.4
ssw	3.7	4.9	2.5					2.5	30.0	1.2	23.5			43.2
SW	F &	3.3							27.0	6.0	18.0		-	45.7
wsw	7.3	5 • 5						1.5	21.8	5.5	23.6			43.6
w	5.7	2.9	2.9					1.4	14.3	5.7	24.3		•	11.4
WNW	7.5	2 • 5				1.7			7.5	1.3	8.3	•		77.
NW	1.	2.3	• 7		I	• 7		• 7	11.8	1.3	15.0	i		73.6
NNW	1.	• 9	7.1			1.3		. 4	10.7	2.2	16.1	$\Gamma_{-}$	_	68.8
VARIABLE						11						I .		
CALM		<b>&gt;</b> *<	<b>&gt;</b> ₩₹				$\geq \leq$	$\geq <$	अन्द	345	75-4		<b>-</b>	_\$\$46 <u></u>
TOTAL	145	53	66		2	а.		16	529	103	424	İ		1413
% TOTAL	5.5	2.1	2.7	Γ -	• 1	• 3		• 6	71.4	4.2	17.1	<del> </del>	•	54.7

TOTAL NUMBER OF OBSERVATIONS 2,4 %

URNOARY 1973-7 CEMBER 1982 HITTLE TIFLE, F.

WIND DIRECTION	BAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHO WERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SN'ALL HA .	THUNCER	FCC	10 F F G G G F C . N P F 7 G	50° +E -+ 42E	BLEWING	B. C. W. Tell C. W. C. A. C. C. C. S. C.	
N	•	. 7	. 7	1	Ī	. 4		• 4	1'.	2.	3 . 2		•	65.1
NNE	7.1	• 6	. 6		1.3				1 2	1.3	25.3	1		<b>73.</b>
NE	1 • 3		3.7		2.5	1.2			23.5	2.5	22.2			50.6
ENE	1 •		3.8			: + +		2.5	24.1	1.3	27.8	1		47.4
E	71.4		1.3	ļ	• 7			! • · · · · ·	24.1	2.7	18.8	<u> </u>		45.5
ESE	1 -1	2.2	4.4		·			1.1	30.3	2.2	18.7	•	•	47.
SE	13.7	3.2	4.2		 			1.2	40.0	6.3	17.9	<b>.</b>		76.
SSE	?• `	6.0	4.1	ļ	<u> </u>	i i		1.4	27.0	5.4	20.3	i		52.7
s	• 1	4 . 7	•6		L			2.9	70.9	6.2	20.9	·		52.5
SSW	`•3	5.7	1.6	ļ				3 . 3	23.₽	2.5	23.8			47.5
S₩	•	4 • 2			: +	1		1.4	23.9	4.2	22.5			53.
wsw	1 • ?	3.7			ļ ·			2.5	16.0	7.4	29.6	! •		44.:
w	20	3.5			i 	ļ	٠	3.5	15.7	1.7	25.2		•	53.
WNW		2.1			<u> </u>	! 		2.1	5.4	2.1	18.1	<b>.</b>		72.3
N₩	1.'	1.7		ļ	· 			1.7	11.3	4.3	18.3	•		71.
NNW		1.0	1.0		ļ				₹.•5	3 • €	22.7	•		1.6.7
VARIABLE					Ļ					<u> </u>		:	<del> </del>	
CALM	$\geq <$	$\geq \ll$	<b>&gt;</b> ₩	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$> \checkmark$	MA		34.7			544
TOTAL	171	45	31		5	2		29	423	92	527	!		1224
TOTAL	5.4	2 . 3	1.4		• 7	• 1		1.3	18.8	4.1	23.4	T		54.5

2,254 TOTAL NUMBER OF OBSERVATIONS

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HITLIG FIFLD, FL JANUARY 1973-D- CEMBER 1982

WIND DIRECTION	RAIN	RAIN SHOWERS	DR+ZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS CE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMICKE HAZE	BLOW NO SNOW	By Arts Care Arts II Try Co	*. *.
N	3.3	3.3	• B					1.7	8.7	3.3	11.6		•	76.8
NNE	4.0	1.6	1.6						5.9	1.6	13.7		•	73.4
NE	7.5	4.5						3.0	14.9	6.0	13.4			62.7
ENE	14.1	9.4						6.3	15.6	9.4	9.4			50.4
Ε	13.4	6.3	3.6					3.5	27.7	10.7	10.7			50.0
ESE	7.	6.5	4.4					4.4	36.8	7.3	19.3			40.4
SE	5.0	4.3	2.5	<u> </u>	L			2.5	30.4	8.1	24.2			47.5
SSE	2.5	7.4	7.6					3.2	74.7	4.2	33.7			41.5
s	3.1	4.4	1.4					3.0	21.1	4.4	28.5			47.5
SSW	4 . 5	→ • 5						1 . 5	15.5	8 . 4	27.1			52.3
SW	7.8	5.8	1.9	Ĺ				7.9	26 . Z	4.9	24.3			43.7
wsw		7.4		Ĺ <u> </u>		<u> </u>		2.9	20.6	7.4	32.4		1.5	39.7
w	1.2	2.4			Ι			1.2	1:.3	5.1	24.4			53.7
WNW		7.7		I	<u> </u>	<u> </u>		F • 1	¥ <b>•</b> 5	1.3	15.4			71.8
NW	7.4	4.5	1.1					1.1	• 1	2.3	15.9			69.3
NNW	3.0	1.3			L	. (		•6	• • 6	4.5	21.8			69.0
VARIABLE					<u> </u>								_	
CALM	$\geq \!$	$\rightarrow$	>		$\geq \leq$		$\geq \leq$	$\searrow$	<b>***</b>	<b>&gt;</b> 0≪	<b>&gt;&gt;</b>		`	44.7
TOTAL	10%	113	33	}	İ	1		56	515	148	520		1	1342
" TOTAL	4.2	4.4	1.3			2.		2.3	7 . 8	6.4	21.0		•0	54.1

TOTAL NUMBER OF OBSERVATIONS

HITING FIELD, FL

JANUARY 1973-DECEMBER 1982

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS CE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SAIALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SM1.2×F HAZE	BLOW NO	8.0 A NO (4.4) 4.40 7.55	**************************************
N	•:	2.1	1.2					1.7	₩.5	2.5	1.7	<del>+</del>	•	7
NNE	4	2.9						1.7	1 .2	1.7	4.5	•		7
NE	4 • 7	3.2	1.6					4.6		4.3	5.5	• • • · · · · · · · · · · · · · · · · ·		77.8
ENE	5	10.0	1.7						10.7	1.7	8 . 3		•	16.7
E	5.5	6.4	1.8					4 . 6	7.2 • 1	3.7	23.5	Ī		4.
ESE	17.1	5.1	1.0			L 1		5 • 1	7 •2	3.	26.3			46.5
SE	5.1	2.2		L	1			1.	21.2	2.2	43.3	_		41.5
SSE	2 • •	3.6	1.2					1.0	15.4	1.5	38.5		1.2	45.
5	• 1	2.5	. 3					6.5	14.3	1.3	32.2			55.4
ssw	1.2	3.1			<u> </u>			1.2	- 6	2.5	35.0	•-		<u>. 5∂•</u> *
SW		\$ • 0			+			2 • '	12.5	1.3	26.3			+2.6
wsw		5.4			•	• —		1	10.5	1.0	25.0			¢ 7 • :
w	1.	3.7	. 9	l .	İ			1.7	17.1	3.7	16.7			- 3 . 6
WNW	1	1.4			<u> </u>	•		1.4		1	11.7	· 4	1.4	2.2
NW	i •	2 ∙ ℂ			ļ			1.0	3.0	2.0	13.7		₹.6	76.5
NNW		4 • 4	2.4					1.4	11.9	1.5	11.9	·		74.4
VARIABLE				<u> </u>				<u> </u>			r 1	-		
CALM	$\geq <$	$\geq \!$	>≪		$\geq \leq$		>≤	74	2000	8-3	7447			34
TOTAL	5	75	16	ļ				46	393	70	531		ŧ	1454
TOTAL	3	3.1	• 7	<del> </del>	<del>†</del>	t		1.7	16.4	3.3	22.1	•		67.3

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

AP: IL

	HITING FIELD, FL	JANUARY 1973-DECEMBER 1982	MAY	
STATION	STATION NAME	· EARS	MONTH	HOURS STATE

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMUKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	r. ; A f a Treff
N		2.5	• 6					3.3	19.3	1.7	28.7		• • • •	58.5
NNE	1.7	. 9	.9					1.7	15.4	4.3	30.A			15.6
NE	4.0	1.3	1.3					1.3	14.7	2.7	26.7			5A.7
ENE	3.3	2.8						1.4	2° • 2	5.6	31.9			44.4
E	2.5	6.5	. 9					4.7	76.2	1.5	30.8			" 50.5"
ESE	2 • 7	5.1			1			6.3	16.5	5.1	34.2		• :	49.
SE	1.5	5.6	. 8					4.9	23.3	• •	36.9			41.
SSE	2.1	4.9		T				4.2	7.9	2.0	35.6	1		52.
s	3.1	2.6	. 3					2.0	. 9	1.7	30.0	1		58.7
ssw	2.4	3.3						1.9	6.1	2.4	33.3			58.5
SW	• 3	2.5	, 5	[				1.7	7.6	2.5	47.1			47.1
wsw		5.7							13.5	3.4	38.2			50.6
w		5.5	1.8					9.5	18.3		35.8	T "		45.
WNW		5.7						3.3	3.3	5.0	28.3	7 · · · · · · · · · · · · · · · · · · ·		55.
NW	1.3	3 . 8						3.3	8.8	1.3	34.4	Ī	1.3	47.5
NNW		• 0						• 9	6.4	. 9	33.3			64.1
VARIABLE												I		
CALM	> <	$\nearrow \checkmark$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	<b>&gt;</b> ₩€	<b>74</b>	<b>&gt;9</b> €€	3442			] \$#+i[
TOTAL	7	92	9					5.8	425	106	585	!	1	1221
TOTAL	1.7	3.3	.4		1			2.5	17.1	4.3	35.7		• ::	49.2

2.453 TOTAL NUMBER OF OBSERVATIONS

. 7941	HITTHE FIELD, FL	JANUARY 1973-0: CEMBER 1982	JUNE	
STATION	STATION NAME	· [ A#5	V0V.+	4 ° B

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	• 1.	4.7						3.2	4 . 8	6.4	35.9		<b>+</b>	11.0
NNE	! • 1	4.4						5.5	9.9	4.4	42.9	1	+ :	42.
NE									7.5	10.4	32.8		<b>+-</b>	53.7
ENE	1.2	4.7			1			4.7	9.2	4.7	29.4		•	60.0
E		5 • 5						5.5	13.0	10.3	35.9			39.1
ESE	1.€	4.8						4 . 2	27.4	3.2	33.9			41.9
SE	1.	4.8						5.3	14.3	3.2	22.2		i	58.7
SSE		3.5						5.6	11.3	1.4	25.4		•	63.4
s	1.4	3,7			I			4.5	1.8	.9	22.1		<u> </u>	71.4
ssw	• :	1.6						2.1	5.9	1.1	36.7		i	57.4
SW	3.	. 9						. 9	10.9	1.5	38.2	1	T	50.0
wsw	105	5.6						6.5	9.7	3.2	84.4			44.4
₩	1.	4.3			Ī			6.5	13.0	3.7	40.1		•	44.4
WNW	1	6.3		Ī ·	I			9.4	9.4	1.6	40.6	1	•	45.3
NW	1. *	2.9						7.2	10.1	5.A	42.0		•	45.4
NNW	• 1	₹.2						4.8	8.1	3.2	41.1			54.3
VARIABLE													Ĭ	
CALM	$\geq <$	<b>&gt;</b> ₩€	><				$\geq \leq$		34	73-0	<b>&gt;&gt;-</b>			The S
TOTAL	2.	a 1						89	284	134	855	[	1	1198
TOTAL	1.1	3.4						3.7	11.8	5.6	35.8	-		57.0

2,398

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TOTAL NUMBER OF OBSERVATIONS \_\_\_\_

HITT'S FIELD, FL JANUARY 1973-DECEMBER 1982

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOW NO SANT AND DEST	NO NEATHER
N	•	2.5						5.1	14.0	9 . 3	57.3			34.4
NNE	3.4	5.1						9.0	70.5	6.4	50.0	-	T	32.1
NE		5 • 6						7.9	25.1	8.7	52.2		•	13.3
ENE	4 . 5	3.2						6.3	27.0	3.2	55.6			29.€
E	4.3	11.1						10.3	19.€	4.0	34.9		+·-·-	43.7
ESE	~ 5	9.5						8.1	72.4	2.7	31.1		• • · · · · ·	73.5
SE	5.7	12.9			1			7.1	20.0	2.7	37.1			41.4
SSE	3.6	9.6	1.4					11.0	11.0	1.4	38.4	1		35.6
s	4.5	7.1					• 5	10.2	9.2	2.0	45.9		-	37.3
ssw	1.:	4.4		T				4.4	6.7		37.5	i	1	53.3
sw	2	7.4						9.3	≎•5	1.5	42.6		:	45.1
wsw	1.	5.2						6.7	5.9	7.7	56.9			32.3
w	∴•2	6.2	.6					7.7	16.3	7.3	55.1		t -	30.3
WNW	3	3.5						5.7	11.4	4.3	45.7	-	•	40.0
NW		1.0						2.0	. 8	4.5	54.9		•	36.3
NNW	• 3	4.5						6.1	5.1	6.8	53.3			39.4
VARIABLE														
CALM	$\geq <$	>	<b>&gt;</b> ₹				$\geq <$	>4	34.4	74-4	30-0			59.
TOTAL	F 1	1.72	3				1	145	406	175	1192		ı	890
" TOTAL	2.4	4.9	•1		<u> </u>		• 3	5.8	16.4	7.1	49.1	<u> </u>	<del></del>	÷ 35.3

2,473 TOTAL NUMBER OF OBSERVATIONS

CHITING FIFLD. FL JANUARY 1973-DICEMBER 1992 NUSUST

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOW NO BAND AND FRUC	N.C. WHATHER
N	•	1.6						3.7	19.5	9.1	54.7		ļ	29.4
NNE	3.7	3.7						5.5	18.3	16.5	43.1			73.0
NE	1.	3.0						• 8	25.6	5.3	45.9			' 37.J
ENE	J	3.8	. 9					5.4	?2.3	5.4	37.7		• - · - · · · · · · · · · · · · · · · ·	47.4
E	4 .	6.5	1.0					9.0	24.5	6.5	35.7			41.7
ESE	2.2	7.2						5.6	13.5	9.0	38.2			52.3
SE	4.2	7.7						4.2	6.9	1.4	30.6		i -	52.0
SSE	2 • ն	15.4						16.7	5.4	1.3	42.3		i	35.9
s	1.2	7.0						10.5	2 • →	1.8	31.6			57.9
ssw	2.7	4.5			Ţ			4 . 5	4.8	1.0	28.6			60.0
sw		5.1						5.1	10.3	2.6	37.2			53.4
wsw	5.2	5 - 5						3.5	15.5	1.4	40.8			42.3
w	2.1	2.9						3.7	12.6	2.9	39.B	Ī		47.6
WNW	1 • 3	1.9						1.5	8.9	1.6	46.4			48.2
NW	1.							5.9	2.9	4.4	57.4			36.8
NNW	•	4 • 2						5.8	15.0	10.0	50.0			30.3
VARIABLE														i
CALM	>	$\nearrow$	$> \!\! \blacktriangleleft$		$\geq \leq$		$\geq \leq$	$\nearrow \checkmark$	34	744	<b>75-4</b>			1345
TOTAL	- 1	96	•					122	451	204	1051			1001
" TOTAL	2.1	3.9	• 2	1	<u> </u>			4.9	18.2	8.2	42.4	t <del></del>		40.4

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERYCOM

4431.54321

HITING FIFLE, FL

JANUARY 1973-DECEMBER 1982 SEPTEMBER

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SM "KE HAZE	BLOW NO	B 1 A N N N A N N N N N N N N N N N N N N	ra Light terres
N	4.	ċ•						• 5	14.9	6.5	41.9	<u>'</u>	•	45.3
NNE	2.5	1.9	.6					1.3	16.4	6.3	43.4	† ' '	•	47.6
NE	5.5	2.4						1.8	11.5	6.1	37.2	+	+-	47.
ENE	2	1.9	• 5					.0	16.6	4.7	33.2	<del> </del>	•	49.5
E	5 • 4	5.1	• 4					3.4	19.1	2.1	27.7	1	•	. # d • F .
ESE	2.2	9.0	1.1					9.0	15.7	2.2	32.6	Ť	•	45.1
SE	5.7	1.4						1.4	21.4		28.6		•	51.4
SSE	1	7.7						1.9	13.5	1.9	30.8	† !	•	53.
s	1.7	9.6						5.1	6.1	2.6	20.9		• •	65.5
SSW	2.4	4.9						3.7	4.9	3.7	34.1		•	57.5
SW		7.4						7.2	5.6	3.7	31.5			51.7
wsw	3.4	1.9						1.5	11.5	7.6	42.3		•	
w	3.5	3.6						4 . 5.	14.5	7.2	48.2	•	•	32.5
WNW	4 . 3	4 . 3	2.2					2.2	17.4	4.3	28.3	1	•	45.7
NW		3.3		Ī ————				3.0	17.4	9.0	46.3	<u>*</u>		32.3
NNW	• 7	2.2						. 7	5.8	8.0	42.3			46.2
VARIABLE												1		
CALM	> <	><<	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$>\!\!<$	$\geq$	अर	200	300		<del>-</del>	_ <b>52.</b> 4
TOTAL	7:	7 <sub>11</sub>	5					55	416	140	887			1100
% TOTAL	3.3	2.7	• 2					2.3	17.3	5.3	37.0	-	•	46.

TOTAL NUMBER OF OBSERVATIONS

JANUARY 1973-P. CEMBER 1982

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SAMORE HAZE	BLC WING SN 14	60.1 A NO 1 A N I A N I	1 NO 1 A1A*+ ER
7	3	• 5	• 2	† <del></del>	†				13.3	5.	22.4	†· · -		· 66.5
NNE	7.02								- 7	2.3	15.4		† ·	7=.3
NE	2.0								11.6	2.3	18.5		•	71.1
ENE	! •	1.5	. 7						11.2	2.2	17.9	1	• -	73.1
E	7.03	• 5						- 5	16.7	6.7	23.0	1	•	50.3
ESE	u	. 9		Ī	Ť ·	· I		1.5	1à.0	8.1	27.9			50.5
SE	٠.								13.0		19.5		•	67.5
SSE	1.	3.2							7.9		14.3	1		76.2
s	.5	1.1							5 . 6	1.1	15.7	I		74.2
ssw	1 . 7	1.7						1.7	3.4	3.4	24.1	1		62.1
SW	ing • ₹	3.1							1:06		25.3			50.4
wsw	?•7	2.7						2.7	16.2		29.7	i –		56.
w	1.	1.6				r ·		1.6	15.6	3.1	29.7	[		67.3
WNW	? • ⁻				I			2.5	7.9	2.5	23.7	I		71.1
NW	1.	4						1.3	10.7	4.0	20.0			68.3
NNW	1.1	. F.	. 8					. 4	5 • 4	4.2	17.6	]	1	75.7
VARIABLE													· -	1
CALM	> <	>		$\geq \leq$	$\geq \leq$		><	$\rightarrow$	7847	<b>74</b>	344			314
TOTAL	₹ 5	19	4			į		12	324	107	516		1	1641
TOTAL	7.	.8	• 2		1			• 5	13.1	4.3	20.8	<u> </u>	<del></del>	66.2

TOTAL NUMBER OF OBSERVATIONS

HTTTNG FIELD, FL

JANUARY 1973-DECEMBER 1982

NAVEMBER

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHO WERS CE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	MAIL SMALL MAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING	B. SW NO SANC AND	N. SATHER
N	3.	1.1	1.9						15.9	2.4	14.2		•	70.5
NNE	4	1.2			Ţ			1.2	3]	3.1	12.9			74.8
NE	7 • 3		1.7						20.7	3.4	24.1		• ·- ·	57.4
ENE	٠.	1.0	1.0					1.0	12.6	2.9	24.3		· · · ·	53.1
Ε	5.5	1.1	1.1						27.7	4.2	14.4	· ·	+	56.9
ESE	7 1	•8		<u> </u>					24.4	4.6	17.6			\$6.5
SE	r • 1	2.6			1			•3	24.8	5.1	23.1	<u> </u>		51.3
SSE	4.	3.2			T			1.1	15.9	6.3	18.9	<del> </del>	<del>-</del>	57.4
s	1.4	2.7	. 7		1			• 7	70.1	3.4	27.5	†		53.
SSW	3.	3.5			1			1.5	3 • 8		6.8		·	77.2
SW	2 . 7	5.9						2.9	23.5		8.8	+ · · · · · · · · · · · · · · · · · · ·		64.7
wsw		7.1						3.6	34.3	3.0	21.4	<u> </u>		55.0
W	0.3	7.0						2.3	37.2	4.7	16.3	<del>!</del> · · ·	•	44.7
WNW	. • 2	5.5			<del></del>			3.4	12.7	3.6	18.2	•	•	60.0
NW	2.4	1.2						2.4	5.9	1.2	14.1	† -		76.5
NNW	6.5	.9	• 5	<u> </u>				• 5	14.8	2.3	14.8	1		68.5
VARIABLE													•	
CALM	>**	$\geq \leq$	$\geq \ll$		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	23-65	745	13.2			33-7
TOTAL	:12	35	16			ĺĺĺ		15	470	99	413			1472
" TOTAL	4.	1.5	• 7		<b>†</b>			•6	19.6	4.1	17.4			61.3

TOTAL NUMBER OF OBSERVATIONS

2,400

-HITING FIFLD, FL

JANUARY 1973-0- CEMBER 1982

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	JIAH JIAM2 JIAH	THUNDER	FOG	ICE FOG GROUND FOG	SAF CRE HAZE	BLCW NO	BLOW NO	Nº AGATHER
_ N	1.4	•6	.9					1	13.0	1.1	0.4	<u> </u>		77.
NNE	4.2	.7							12.4	2.4	21.8	1		67.t
NE			3 • 2	L					17.2		17.2	[	<u> </u>	63.4
ENE	· · · ·		1.6						14.6		14.8	1	, -: ·	56.3
E	• 1		1.9						15.0	• 6	16.3			56.3
ESE	1 . 1	1.3	• 6			I		i :	75.3	1.3	16.9			54.7
s€	7.5	5.7		L				2.1	32.6	4 . 3	24.1			41.
SSE	• ?	2.5						1.3	12.5	3.9	24.7	I		54.5
S	7.9	2.6		L	<u> </u>	Ĺl		1.3	24.5	4.0	7.3		! 	58.9
SSW	4.5	4.5						1.5	26.5	11.9	17.9			46.3
SW	5.7	5.7	1.9		ļ	! I		<u> </u>	14.9	3.5	24.5	L	: <del>-</del>	49.1
wsw		2.7			<u> </u>				11.0	4.0	14.3	L	•	70.0
w	5 .	1.2			1			1.2	10.5	5.8	18.6	i .	· ·	66.3
WNW	1 a ia	3.2	1.1	1	.[ <b> </b>			2.2	12.4	3.2	11.3			69.9
NW	••	. 5	• 8	L	1 4		· ·	ļ	11.7	2.3	3.0	L	•	75.6
NNW	2.+	1.6	. 4	<u>.</u>	<u>.</u>			ļ	7.7	1.5	11.3		<u></u>	78.6
VARIABLE				L		ئے۔۔۔۔۔		<u> </u>						
CALM	$\geq <$		>3				_><		33.00	<b>34</b>	711-05			1340
TOTAL	1 -2	35	17	1	1	i l		10	417	66	352	ļ	}	1647
TOTAL	₹ • €	1.4	, 7	I	1			. 4	16.8	2.7	14.2			66.5

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

VS. WEATHER CONDITIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION

JANJATY 1973-7: CEMBER 1982

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMORE HAZE	BLOWNS	BLIW N	ABATH K
N	7.1	1.5	. 9		• 7	• 3		1.3	12.	3.≎	24.6		,	61.0
NNE	4 • 5	1.7	. 6		1.	• 2		1.6	13.7	4.2	24.9			61.7
NE	•	1.9	1.3		_• 2	• 1		1.1	16.7	4.3	26.5			1.55.1
ENE		2.8	1.0		• i			2.2	12.5	3.8	26.8			53.7
Ε	" <b>,</b> ii	4.1	1.2		• 1			3.3	72.6	4.6	23.6			51.1
ESE	7.1	4.1	1.7					3.5	24.4	4.6	25.5			47.5
SE	5 • €	4.3	1.1					2.5	25.1	4.5	29.1			4 . 5
SSE	2.1	5.9	1.3					3.6	17.4	2.4	30.7		• 2	49.
\$	3.7	4.2	• 5				• 0	3.4	14.1	2.5	27.2			54.
ssw	2.	3.5	. 3		l			2.5	11.4	2.9	30.0			55.7
sw	7.1	4.6	. 4					3.3	14.2	2.8	32.0			50 · 6
wsw	1.4	5.5			<u> </u>			3.7	14.7	4.9	37.0	,	. 1	45.
w	2.7	3.9	• 5	ĺ	i			4 . <	15.5	4.3	34.2			47.E
WNW	2.	3.8	• 2		1	• 1		3.4	7.6	2.7	24.2		• 1	÷2.1
NW	1.5	2.1	• 3			• 1		2.1	' • b	3.3	25.6		. 4	61.6
NNW	2.	1.0	• 3			•		1.4	7	3.7	25.1			64.1
VARIABLE														
CALM			<b>&gt;</b> ₹					~	73	10-2	Bed		-	] 45a;* "
TOTAL	1005	£23	2 14		7	11	1	651	C 15.3	1457	6161		£	15606
" TOTAL	4	2.9	.7		• 7	•		2.2	17.3	5	27.9	•	. ≎	1.7.4

TOTAL NUMBER OF OBSERVATIONS

2 .201

NOCD. Federal Building Asheville, N. C.

### PART B

### PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION

SNOWFALL\*

SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS

DERIVED FROM DAILY OBSERVATIONS

DERIVED FROM DAILY OBSERVATIONS

- 1. The first table for each of the above presents the <u>percentage frequency of various daily amounts</u>, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
- 2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations From beginning of record thru 1945 Snow depth at 0800 LST

Jan 46-May 57 Snow depth at 1230 GCT

Jun 57-present Snow depth at 1200 GCT

U. S. Navy and Weather From beginning of record thru Jun 52 Snow depth at 0030 GCT

Bureau Stations Jul 52-May 57 Snow depth at 1230 GCT

Bureau Stations Jul 52-May 57 Snow depth at 1230 GCT Jun 57-present Snow depth at 1200 GCT

<sup>\*</sup> Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, and after Dec 1979.

**DAILY AMOUNTS** 

PERCENTAGE FREQUENCY OF

HITING FITED. FL

						AM	OUคัร (เ	NCHES)						PERCENT		MON	THLY AMO	DUNTS
PRECIP.	NONE	TRACE	.01	.0205	.0610	.1125	.26- 50	.51-1.00	1.01-2.50	2.51-5 00	5.01-10.00	10 01-20.00	OVER 20.00	OF DAYS	TOTAL NO.		(INCHES)	
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2 5-3 4	3 5-4-4	4.5.6.4	6.5-10.4	10.5-15.4	15 5-25 4	25.5-50.4	OVER 50.4	MEASUR-	OF OBS.	MEAN	GREATEST	LEAST
SNOW- DEPTH	NONE	TRACE	1	2	3	4.6	7-12	13.24	25-36	37-46	49-60	61-120	OVER 120	AMTS				<u> </u>
JAN	1.	17.2	2.1	5.6	3.3	6.5	4 • 7	6.5	3.4	. 6.	. 1	1		32.	1323	4.79	3.15	• •
FEB	55.	10.0	2.3	4.6	3.7	6.3	5.7	5.0	4.7	. 7				32.2	1073	4.48	9.57	. 4
MAR	• 1	<b>?.</b> 5	7.4	5.1	2.9	4.6	4.5	6.7	3.9	1.	. 3		1	32.5	1023	- 91	7.40	• >
APR	٠.	H • B	1.5	2.9	2.1	3.2	3.4	5.1	3.1	1.2		l	!	23.3	1000	4.46	2.65	. 9
MAY	•	5.1	1.1	4.3	1.€	4.4	5.6	4.6	4.1	• 3	• 1			26.	1116	4.34	11.17	•
JUN	* • • 1	1 . 3	1.4	5.6	₹.4	8.1	6.0	6.8	٠	.9	• ?	• 1		38.6	1350	6.61	3.82	1.5
JUL	•	10.7	3.1	7 • 1	5.4	8•3	₽.6	9.7	0 ون	. 4	• 2			E1.2	992	7.69	7.55	2.3
AUG	1	14.	3• ~	7.4	3.0	8.4	8.1	₹.1	4.7	.7				43.0	1115	6.34	4.65	. 9 1
SEP		12.0	1.4	5.6	2.5	5.9	5.5	5.9	4,7	.9	• e,			₹3•€	1110	6.20	2.15	1.2
ост	• `	4, • 6	1.4	4.ព	1.6	1.7	3.1	3.5	7.3	• 2				17.8	1	2.84	0.14	- A:
NOV	·6 • 6	8.7	1.0	4.2	2.₽	3.8	4.9	4.1	3.0	.5				24.7	1110	3.49	1.54	•
DEC	5.1.7	٥.٥	3 •	4.0	4.4	5.6	4.4	6.3	4.0	• 4				32.7	1116	4.70	3.09	1
ANNUAL	e	1' • 2	2.1	5.1	7.2	5.6	5.4	6∙೧	4.1	• 6	•1	• 5		32.4	120630	1.63		$\overline{}$

## **DAILY AMOUNTS**

PERCENTAGE FREQUENCY OF (FROM DAILY OBSERVATIONS)

HITING FIELD, FL

<u>.</u>...

						AM	OUÑTS (I	NCHES)						PERCENT		MONT	THLY AMO	DUNTS
PRECIP.	NONE	TRACE	.01	.0205	.06-10	11- 25	2650	.51-1.00	1.01-2.50	2 51 - 5 00	5.01-10.00	10 01-20 00	OVER 20 00	OF DAYS	TOTAL NO.		(INCHES)	
NOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5.2.4	2 5-3 4	3 5-4 4	4.5-6.4	6.5-10.4	10 5-15-4	15 5-25 4	25 5-50 4	OVER 50 4		OF OBS.	MEAN	GREATEST	LEAST
SNOW-	NONE	TRACE	1	2	3	4.6	7.12	13-24	25-36	37.48	49.60	61-120	OVER 120	AMTS				
MAL	• •	1.4	• ?			• 1						:			914	- 1	3.	
FEB	19.1	• 7		1.	• !							•		• ? 1	958	• 1		•
MAR	45.	•				•1					i	•		. 1	1 ` " 4	. 1	2.	•
APR												+		<del>* *</del>	1.,50	• 5	• /	
MAY	: " ^ <b>-</b>				r							· - · ·	1		1	• "	•	•
NUL				<del></del> _			:	1	:		•		:	•	17 - 3	• "	•	•
JUL	1 1.1						!	1	<del> </del>	! !	·			1	277	• ′	• ·	•
AUG	٠ -, •							!		i	<del></del>	· · · · · · · · · · · · · · · · · · ·	<del> </del>	:	1114	• ''	•	. •
SEP	î ~• °						:		†	<del>:</del>	<del>!</del>	i	<del>•</del>		111	• ^	•	
ост	1 10					!	1		<del>-</del>	1	i		i i	<del></del>	1 -4	٠,٦	•	•
NOV	•					İ	i	<del>†                                    </del>	*	i	i i	<u> </u>			960	• ^	•.	
DEC	٠; .	•				 			:	!					1054	77465	77400	
NNUAL	<i>4</i> .	. ;		• 0	•-	.0		<del></del>	1		<del></del>	<del></del>	-		12: 35	. 3		

**DAILY AMOUNTS** 

PERCENTAGE FREQUENCY OF

STATION STATION NAME YEARS

						AM	OUÑTS (I	NCHES]						PERCENT		MON	THLY AMO	UNTS
PRECIP	NONE	TRACE	01	02-05	04-10	11. 25	26 50	51-1 00	1 01.2 50	2 51 - 5 00	5.01-10.00	10 01-20 00	10 VER 20 00	OF DAYS			(INCHES)	
NOWFALL	NONE	TRACE	01-04	0.5-1.4	1 5-2 4	2534	3 5-4 4	4 5-6 4	6 5.10.4	10 5-15 4	15 5-25 4	25 5-50 4	OVER 50 4	MEASUR-	OF OBS.	MEAN	GREATEST	LEAST
SNOW DEPTH	NONE	TRACE	1	2	3	4.6	7-12	13-24	25.36	37-48	49-60	61-120	OVER 120	AMTS				!
JAN	. 🗘 🍙 t.		• :			;			1					• :	. <b></b>			
FEB	50.	!	• 1	- 1					1			:			472			-
MAR	43.5	• :				:						·			985		•	
APR	7.0	<u> </u>						1						•	4.6			1
MAY	115.7					i			:					+	1 '4		i	 : !
MUL	113.												:		1120		!	:
JUL						<u> </u>			1			:	:		37.7			:
AUG	:::										_				1, 4		i	:
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### **EXTREME VALUES**

POSTIPITATION.

FROM DAILY OBSERVATIONS.

STATION

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.HTT] O FYELD, FL

STATION NAME

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SH FOUR AMOUNTS TO INCHES

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MONTH						т т		——т	_				
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV	DEC.	ALL MONTHS
4		1.13	• 7	3.25	1.33	• 5 3	1.90	2.52	1.54	• : 9	, E. :	1.1	
1 .	. 3 :	2.31	2.73	1.2	1.61						12	.5~	
4.	7	2.75	5.25	1.23		1.5?	5.16	4. 2	7.22	1.54	7,80	1.36	
1 - 1	.9.	4 7				1	- 1	1.13	14		4.70	* • * •	
4.5		• * 8:	2.55	3.4	.76				.74		. 25	1.77	
1 . 1	1.04	• 30	1.52	2.72	.9 ~	,7	2.67	25	3.00	.39	1. 7	7."	5 • 1
1	: • 3 7	1.44	3.00	1.35	1.53	3.29	1.86	.02	3.37	.24	1.35	1.24	***
1 2 1	.6 1	1.53	1.63	1.00	1.89	1.15	1.24	4	2.07		.93	ن .	
₹	• 1	2.33	2.33	3.14	1.01	1.40		1.73	3.41	• 5 3	2.25	2.22	
4	. 57	1.23	Í		. 9.3	• 5 3	2.00	• • 0	• 5 9	• 13	. 4.2	• 8	
5	1.3	1 . 3	.4.7	1.11	1.94	. 59	1.93	1. 8	• 5 7	1.11	.16	.4	1.00
[ . ]	2.75	1.37	1.84	.73	.93	1.66	.75	. 6.2	3.31	.55		li	
- ,		1 . 1 %		1.1	1.53	1.50	1.14	• • •	1.75	1.02			
		. 3	1	1 . 71	1.37	4.13	1.26	1.75	1.74	. 39	1.74	. 17	
	1.54	1.77	1.55	2.63	1.33	2. 4	1.04	1.4	5.47	1.95	• 3.7	1.	5,47
	5.45	1.56	3.77	2.97	3.12	1.45	1.62	2 . 2 ?	3.29	4. 3	1.24	.:5	4.
1	. 7 .	3.10	1.77	1.10	. 5 7	6.53	1.97	2.27	1.5	• 15	1.31	3.71	1.13
11	1.3!	1.07	3.33	2.12	• 3 3	1.70	1.40	1.59	1.30	• 5.7	1.1	1	7.73
3	2.4	1 • 4 1	• 4 3	• 36	1.1-2	2.71	1.72	1.67	2.77	• 7	1.76	1. :	7,77
	59	1.34	1.37	3.27		1.76	1.40	2 . 37	• 5 7	1.35	1.25	3.5	7.0
· ·		<b>∴</b> • ∴ →	7.4	• 40	1.24	2.21	.72	2.63	• 5c	1.33	• 71	1.37	
<u> </u>	1 <u>•2</u> 3	1.99	1.23	1.19	2 • ≥0	1.025	. 58	2 • 5	1.31	1.54	2.72	1.37	?. 7 ?
4.7	• 9 8	2 • 4 1	2.00	1.5	1.5	1.44	• 5.5	1.27	3.54	4.57	• \$ 5.5	3.11	4
6.	• 12	• 82	.74	• . 7	.74	1.99	. 96	1.14	• O ¢	.52	. 7 ^	• 6 6	1.50
	• 5	1.44	2.50	• 93	2.53	3.46	3.73	2.45	1.65	1.53	• 5.2	1.4	7.33
	.7?	1 • 2	1. 3	• 5.7	2.37	10.75		• • • •	1. 3	2.43	• 2 "	1.	
- ;	1.	1.54	1.50	1.47	.75	2.66	1.00	1.70	2.1	1.47	3.17	7.17	
.2	• 9	1.7	1.73	1. 3	1.71	3.30	2.29	2.40	• 5 =	2.15	1.47	3.67	7.5
7;	1.74	1.44		1.55	1.10	1.47	2.24	1.53	1.00	• K.A	• F.7	2.1	
	1,27	7, 7	1.40	1.22	1.33	1.1	• 92	2.17	3.37	. 75	• 77	٠ ۶ -	<u> </u>
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S.D.							1						
TOTAL OBS.													

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# NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

### **EXTREME VALUES**

PRECIPITATION (FROM DAILY OBSERVATIONS)

HITING FIELD, FL STATION NAME

24 HOUR AMOUNTS IN INCHES

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
	. 9,8	.34	2.2-	1.41	1.77	2.19	7.23	-89	3.22	1.82	ु• व्हा	•84	7.75
76	2.47	2.17	2.38	.77	2.77	3.29		1.39	1.65	2.1	2.26	1.05	
7	1 • 4 1	- 55	7.34	2.57	2.37	. 74	2.45	2.17	2.08	1.80	- 3 =	.77	2.57
7 :	6 6 5 1	1.5			5.72	6.28	7.37	1.55	1.02	• 27	2.16	1.77	6.61
7.	2.13	1.05	4.60	1.95	1.74	. 57	3.16	2.71	3 0	2.56	2.14	•57 •51	3.76
	1.57	• 71	3.95		2.34	2.44	2.43	1.69	2.06	2.42	10.4	1.98	3. 6
1	.51	3 - 1	1.57	•36	1.94	2.70	2.42	1.14	\$ 5 U G	1.10	1.37	1.61	4.77
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MEAN	1.4	1.75	2.17	1.65	1.65	2.41	2.06	1.52	2.22	1.34	1.46	1.57	व. इब
S.D	1.245	24.3		.965	958			· ¢ :)1	1.567			.875	1.09
TOTAL OBS.	1023	1973			1116		797	1115	111	1054	1117	1114	17983

### **EXTREME VALUES**

PRECIPITATION FROM DAILY OBSERVATIONS

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES VRAUED ON LESS THAN FULL MONTHS/

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN,	JUL.	AUG.	SEP.	ост.	NOV.	DEC	ALL MONTHS
<b>4</b> .						3.05				2'			DAYS DAYS
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4.3	13		1.50				7.1.7						PTFCTP DAYS
<u></u>	2.41					3.		1.5	****				P1501# DAYS
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5.								~ <del></del> -	·			1.24	0447 0447
7.1	•1° 25		1.05 29 1.29								1.17	-55	PARTO DAYS
	1.2=		1.27										DAYS
. 5	1.21			1		1							PRECTA DAYS
							. 7.7 1.7						91 <u>45</u> 944
• ;	1		1.47				<del>:</del>		· · <del>- · ·</del>				P 5077 0847
• 5		~					• • • •						PEFCIP PAYS
MEAN													
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# NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

### **EXTREME VALUES**

SNI. THEE FROM DAILY OBSERVATIONS

STATION

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24 HOUD AMOUNTS IN INCHES

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
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TOTAL OBS.			<u> </u>				L						

### **EXTREME VALUES**

SN WEALL IFROM DAILY OBSERVATIONS

STATION

HITT'S FIELD, FL STATION NAME

4 5- 2

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
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TOTAL OBS.	9.7	748	10 4	1050	1(85	1030	395	1115	i11	1054	6.7	1754	17535

SMCS

### **EXTREME VALUES**

IN FALL

FROM DAILY OBSERVATIONS

STATION

HTTING FIFLE, FL.

YEARS

24 HOUR AMOUNT! IN INCHES /BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ОСТ.	NOV.	DEC.	ALL MONTHS
14.5		.,	, ,	:	29						1.0 1.0	7 17	SACERLE
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5 :												19	DAYS
₹ *	25		• ? 29								19	16	SHOPALL
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• 3							17						SHOPALL
' 3			30										SKOPALL
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MEAN													Ī
S. D.				I									
TOTAL OBS.													

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

### **EXTREME VALUES**

SNC - DEPTH IFROM DAILY OBSERVATIONS

STATION

SHITTING FIFLD, FL STATION NAME

46. 45-52

YEARS

TAILY SHOW DEPTH IN INCHES

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC	ALL MONTHS
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OTAL OBS.													

### **EXTREME VALUES**

SHO DEPTH

FROM DAILY OBSERVATIONS

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SHITTIO FIFLD. FL

STATION NAME

48-92

VEARS

DATES SNOW DEPTH IN INCHES

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC	ALL MONTHS
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TOTAL OBS.	. <b>3</b> .	0.3.2	397	997	1.054	1 72 0	937	TLE #	1020	961	930	99.	11303

## **EXTREME VALUES**

SN - DEPTH FROM DAILY OBSERVATIONS

STATION NAME

TATER SNOW DEPTH IN INCHES VBASED ON LESS THAN FULL MONTHS/

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
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# NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

### **EXTREME VALUES**

(FROM DAILY OBSERVATIONS)

STATION

PHITIS FIELD, FL

48-67

STATION NAME

YEARS

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# **DAILY EXTREME AMOUNTS**

6.

HITTHE FIFLE. PL

STATION

STATION NAME

YEARS

46-1753

January

TECRUACY MONTH

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		CIPITATIO			OWFALL EATEST	
DAY	INCHES	ММ	DATE	INCHES	ММ	DATE
1	1.5	4.3	1272	7	7	1 764
2	7 • 5	6.0	1947	0.1	3	1 75
3	<b>~.5</b>	14	1374			
4	1.0	27	1971			
5	• 2	72	1946			
6	1.5	45	1064			
7	• 2	57	1976			
8		56	1564			
9	7.4	12	1568	1		
10	<b>5.6</b>	17	1975	1	7	1 6.
11	7.4	62	1063	+	1	1:73
12	1. 2	34	1082		Ť	1 ~ 7
13	- 3	٠, ٩	1947		Ÿ	1:82
14	1.61	36	1077	- 1	7	2:87
15	• 5	17	1946			
16	1.	33	1055	T 1		
17	.43	- 6	100	-	,	1:57
18	1.	33	1973	3.4	10	1977
19	. 7 3	30	1 6.3		1	1.77
20	•12	54	1070	t		
21	1."	44	1077		1	1479
22	7.0 %	70	195.	-	Ť	1 4 4
23	1.2	32	1050	-	Ť	1 5 5
24	5.00	1 3	1978		*	16
25	• • •	<u> </u>	1973			-
26	2.4	63	1076			
27	:.	7.7	105			
28	7.	5.2	1747			
29		20	1770			
30	1.33	47	1050	•?	5	77
31		13	1053	2.9	74	1677
Aonthly .	K. 21	1 73	1979	2.5	74	1977

	T			7417		
DAY		ECIPITATIO GREATEST			NOWFALL REATEST	
LUAT	INCHES	MM	DATE	INCHES	ММ	DATE
1	1.73	4.5	1070			
2	4.77	121	1987			
3	: •1	3.	1383			
4	1.5	4 ^	1360			
5	1. 5	4.5	1056			
6	2.80	7.3	1965			
7	• 2	77	197:			
8	7.87	23	1054		*	7 -
9	1.4-	37	1977	2.	- 51	1373
10	3 • 1	8 9	1381	<u> </u>		<u> </u>
11	1.1	36	1062			
12	1. '9	51	1766	1.	25	1 58
13	0.43	11	1775	<u> </u>		1 0
14	2.33	5 🌣	19! 7			. 69
15	1.	40	1085	<b></b>		
16	1.2	4.6	1 277			
17	- 5	22	1062	11		L
18	3.50	3.1	1961	L		
19	2.34	6 "	1046	7	Ţ	9
	2.	75	1947	*	· · ·	1 . 4 0
21	1	56	1074	<u> </u>		
22	1.34	34	1361			
23	1.3	35	1979		•	1763
24	. 2	44	1770	<b>↓</b>		<b></b>
25	1.6	42	1057	1		
26	1.	35	1971	<b>├</b> ──		ļ
27	1.4	4 1/	1964	ļ		
28	2.21	57	1947	<b>↓</b>		
29	0.02	1	125"	-		ļ
30	<b> </b>			1		<b> </b>
31	<del> </del>		10.5			1633
Monthly	4.77	121	13.3		<u> 71</u>	1773

\* ALSO ON EARLIER YEARS
T – TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

## **DAILY EXTREME AMOUNTS**

"841 STATION HITTUT FIELD, FL

STATION NAME

YEARS

MACE

	11:16
	MONTH
PRECIPITATION	

			МО	NTH		
0.4 V		CIPITATION PREATEST			OWFALL REATEST	
DAY	INCHES	MM	DATE	INCHES	ММ	DATE
1	•02	76	1761	-	*	1.58
2	7.3	44	1372	1	7	1 287
3	4. ₺	117	1779			
4	1.40	36	1773			
5	• 2	41	1950		7	1 54
6	2.51	150	1047	2.5	64	1954
7	• ? .	159	1747			
8	1.	46	1777		Ť	1157
9	• 7	22	1020			
10	5.	16	1297			
11	1.1	47	1956			
12	1.13		1077			
13	• 1	142	1047			
14	7.1	7.3	1240			
15	7.7	78	1957			
16		31	1756			
17	1.0	73	1987			
18	• 2	100	1951			
19	.1.	54	1551			
20	1.1	75	1973			
21	.03	25	1057			
22	1.1	35	1261	TT		
23	.01	51	1262	-	T_	1.68
24	• 77	20	1057			
25	• 75	1.3	1945			
26	1.3	60	1776			
27	7.73	6.3	1946			Ι
28	7.3	61	1077	· · · · ·	1	1 55
29	7.00	101	1987			
30	003	102	1947			1
31	• 7.3	35	1962			
Monthly	• 76	159	1247	2.4	64	195

DAY		ECIPITATION GREATEST			NOWFALL GREATEST	
DAT	INCHES	ММ	DATE	INCHES	MM	DATE
1	3.7	56	1323			
2	2. 4	52	198			
3	. 7	75	196			
4	2.2	67	191			
5		24	1957			
_6	1.14	ધ	1953			
7	1.7	34	13:1			
8	. 22	31	1974			
9	1.1	43	1752			
10	1.5:	4 -	1365			
11	٠,	64	1549			
12	2.5	6.5	168.			
13	2.75	71	1964			
14	1 • •	41	1767			
15	1.	3.8	1947			li
16	:.ng	2.5	1 - 5 1			
17	7.5	24	1957			
18	3.67	93	1275			
19	1.1:	2 "	1966			
20	• • Q	1.5	1000			
21	1.2	32	1954			
22	3.25	8.3	1045			
23		16	1947			
24	1. 5	£ ··	1679			
25	1.	4	1957			
26	7.22	3.2	1360			
27	?. 2	64	1964			
28	2. 2	6.5	1695	L		
29	. 4	86	1040			
30	1.	27	1975			
31						
Monthly	3.6	93	1979	<u> </u>		J

\* ALSO ON EARLIER YEARS
T – TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

# **DAILY EXTREME AMOUNTS**

HITTHE FIELD, FL STATION

STATION NAME

1 45-1:2

YEARS

MONTH

			MOI	VIH		
DAY		CIPITATIO GREATEST			OWFALL REATEST	
"	INCHES	MM	DATE	INCHES	ММ	DATE
1	• 7	13	1071			
2	`• ' 2	41	1257			
3	C	145	1576			
4		19	1967			
5	•71	ે6	1757			
6	1.2	31	1175			
7	• • • • •	7 7	1967			<u> </u>
8	•6	4 3	1060			
9	1.62	36	1778			<u> </u>
10	•	24	1960	L		<u> </u>
11	7.5	45	1550			l
12	11.	74	1764			ļ
13	1.	35	1045			
14	• * 7	75	1976			ļ
15	• 1	13	1075			<u> </u>
16	•01	?6	1 ~ 4 =	L		ļ
17	3.74	5.2	1980			
18	10.4	47	1060			<u> </u>
19	1.55	50	1750			ļ
20	• 7	47	1223			
21	. 9	51	1347			
22	1.04	43	1955			<b></b> -
23		45	1273			<u> </u>
24	1.2	31 25	1965			<b>├</b>
25	. 3	(2) To	1952			<u> </u>
26			1951	<b></b>		<b></b>
27		5.2	1076	ļ		<del> </del>
28	-	71	-			<b></b>
29	1.77	45	1075	<b></b>		
30	1	3.7	1977	L		<del> </del>
31	3 7	60	1070			<u> </u>
Monthly	• • •	145	1978	<u> </u>		<u></u>

	т		MO	NTH ]				
DAY		CIPITATI			SNOWFALL GREATEST			
UAT	INCHES	ММ	DATE	INCHES	мм	DATE		
1	3.5	3 3	1046					
2	1 . 5	4.2	1975					
3	1 .75	273	197					
4	7.53	15	1976					
5	7.4	11	1007					
6	1 . 5	45	1754					
7	1 . 2	34	1949					
8	4.29	16	1279					
9	1 4	37	1968					
10	3.	7.4	1949					
11	1.00	42	1756					
12	7.21	56	1965					
13	1 4	37	1959					
14	1.13	1 5	1958					
15	3.4	5.2	1353					
16	1.47	37	1973					
17	2.14	7.	1951					
18	3.27	84	1051			1		
19	. 2	51	1077					
20	•53	160	1911					
21	3.41	58	1943					
22	2.1	60	1063					
23	7.7	25	1:40					
24	7.3	° 4	1977					
25	7.07.7	24	1277					
26	1.67	42	1364	1		1		
27	7.	67	1082					
28	3.79	3.4	1974					
29	1. 1	38	1979					
30	2. 6	6.8	1971					
31	<del>                                     </del>		<del></del>			<b>—</b>		
Monthly	10.75	273	1077	<del>                                     </del>		<u> </u>		

· ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

# **DAILY EXTREME AMOUNTS**

7241 ATTING FIELD. FE

STATION NAME STATION

YEARS

1-45-1942

			MO	NTH				
DAY		CIPITATIO GREATEST		SNOWFALL GREATEST				
UAY	INCHES	MM	DATE	INCHES	ММ	DATE		
1	^ • B	1.7	10.0					
2	4	62	1977					
3	• 3	62	1001					
4	• -=	75	1055					
5	. 4	51	1:71					
6	• 71	76	1 159					
7	1.2	32	1062					
8	!	10	1747					
9	• 1 2	יי	1945					
10_	1 • 19	4 .	1361					
11_	• 1	41	1272					
12	• 2	57	1973					
13	• '-	45	1 770	L				
14			1971					
15	•	74	1542					
16	• 5	÷ 6	1050					
17	• 7	∍5	1983					
18	• -	45	1045					
19	• 3	60	1979			l		
20	• 3	41	1092					
21	• 0	46	1045					
22	• 7	70	1063					
2′,	1.5	45	1010					
74	7.1	6.0	1277					
25	1.4	3.8	1046					
26	1.42	36	1767					
27	1.0	76	1755					
28	7.42	61	1985					
29	. 32	5.9	10:0					
30	• ~ 1	236	1975					
31	•?:	1 75	1:75					
Monthly		236	1275					

				NTH			
BAY		ECIPITATION CONTRACTOR	ON	SNOWFALL GREATEST			
DAY	INCHES	MM	DATE	INCHES	MM	DATE	
1	7.7	61	17.4				
2	2.0	73	196				
3	7. 6	13	1054				
4	5.5	14	1565				
5	1.	3.5	1957				
6	2.5	6.5	1012				
7	2.2	3 ′	1961				
8	1.5	43	1361				
9	1	26	1064				
10	7.5	6.5	108 =	$\Gamma = \Gamma$			
11	7. "	72	19,				
12	1.12	2	1974				
13	• Z	31.	1 , : :	11		I	
14	1.	27	1343				
15	4 • ?	1 2	1223			I	
16	1.0	25	1747				
17	2 • 1		1023			L	
18	12	36	1747				
19	~. 7	- 2 -	1002	]			
20	1 • 1	33	1077				
21	• 4	21	17:				
22	4 • 3 Z	11	1947			L	
23	1. 4	44	1047				
24	1.1	2	1968				
25	2. 1	<b>5</b> ₹	1979				
26	1.	35	1 776				
27	1.6	1,3	1063				
28	7.72	1:	1063				
29	•	5.3	1964				
30	? • °	64	101				
31	1.	41	195				
Monthly	72	11	1247				

<sup>·</sup> ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

# **DAILY EXTREME AMOUNTS**

HITTIS FIELD. FE

1 45-1 - 2

STATION

STATION NAME

YEARS

 $\sigma_{A}(\partial \P^{\alpha}) \forall \Delta \Delta \in \mathbb{N}$ 

			МО	VTH				
5.11		CIPITATIO GREATEST		SNOWFALL GREATEST				
DAY	INCHES	MM	DATE	INCHES	N:M	DATE		
1	1.	4.2	1073					
2	•	5.3	135					
3	1	5,7	1381					
4	• * *	- 1	1350			1		
5	• 1	41	1352					
6	7 . ~ 4		1967					
7	• •	4.4	1962					
8	•	1 - 2	1947					
9	`•1		105.					
10	1.0	4.4	1757		-			
11	•••	1 4 4	1263					
12	• 1	134	1777					
13	• "	7 1	1907					
14	:• •	4.7	1345					
15	. 5	142	1:47					
16	• 7	76	1070					
17	1.3.	34	1220					
18	7.5	4	1247					
19	•23	2 7	1947					
20	: • 4	17	1005					
21	•	42	1245					
22	1.23	. 3	1975					
23	• .	64	1075					
24	• 31	7.4	1956					
25	• 1	1	13:3					
26	.4:	7	19=3					
27	1.1	7.7	1367			1		
28	• 1	13	1223			1		
29	•••	134	1565	<del>                                     </del>		<del> </del>		
30	7	- 55	1757	t				
31	<del> </del>					<u> </u>		
Monthly		200	1347	<del>   </del>		<del>                                     </del>		

			МО	NTH		
DAY		ECIPITATION CONTRACTOR			NOWFALI GREATEST	
DAY	INCHES	ММ	DATE	INCHES	MM	DATE
1	1.5	4	1767			
2	0 - 6	1.7	1751	LI		l
3	1.7	34	1754			
4	0.4	16	194=	LI		
5	1 . 3	36	1375			
6	4.63	102	1360			
7	? • -	6.3	1977			
8	. • 00	2.5	1 77			
9	1 . 4	2.0	1366			
10	1.03	2 -	1950			
11	1 . 5	3.0	1777			
12	7.	24	1700	II		
13	1.3	34	137"			
14	1.2	4	13.3			
15	~ · 6	19	1774			
16	1 • 2	46	1:35			
17	1.0	36	1071			
18	~ • •	2.3	1050			
19	1. 3	4.1	1 ~ 7 ~			
20	7.32		13:0			†
21	1. 4	47	1342			T -
22	7.	- 1	1745			
23	2.0	1	1357			<b>†</b>
24	€ 8		1::2			
25	2.2	bi	1981			
26	5.1	5	1:72			1
27	2.1	5.5	1272			1
28	-63	5.2	195			1
29	1.		1352			
30	4.4	119	1267	<u> </u>		
31	7.7	2.0	1767			1
Monthly	400	117	1363	<del>                                     </del>		t

\* ALSO ON EARLIER YEARS
T – TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

### **DAILY EXTREME AMOUNTS**

HITTO FIELD, FU

STATION STATION NAME 1-45-1992

YEARS

NULL METRI

MONTH

DICEMBE. MONTH

				NTH		
DAY		ECIPITATION PREATEST			NOWFAL GREATES	
DAT	INCHES	MM	DATE	INCHES	ММ	DATE
1	1.0	3.3	1071			1
2	7.12	54	1971			1
3	2.0	52	1000			1
4.	1.1	46	1082	T		1 4
5	1.3	46	1979	-	•	1 69
6	7.22	56	1953			
7	1.75	43	1047			
8	3.00	78	1940			1
9	1.77	35	1966			
10	7.11	7.5	1967			
11	1.55	40	1383	¥ †	Ť	17/5
12	1.7	47	1961			
13	1.20	30	1053			
14	1.15	2 7	1949			1
15	12	36	1949			1
16	0.02	23	1970			1
17	7. 8	20	1754			1
18	1.04	26	1965			1
19	1.07	27	1965			
20	1.13	29	1973			†
21	3.6	93	1272	1		1
22	1.1	23	1957	•	•	1 . 76
23	0.3	16	1952			
24	1.7	45	1979	1		1
25	3.5	91	1014			
26	5. 9	25	1377	7	-	1.67
27	1.13	29	1967			
28	1.3	41	1261			1
29	7.46	19	1977			1
30	1. 1	33	1953			1
31	1 . B	5 7	1281	1	~ ·	1 20 8
Monthly	3.67	93	1075	<del> </del> +	7	1 - 4 -

<sup>\*</sup> ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

NOCD, Federal Building Asheville, N. C.

### PART C

#### SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:
  - (1) Annual all hours combined
  - (2) By month all hours combined
  - (3) By month by standard 3-hour groups
- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

### **EXTREME VALUES**

SHAFACE WIN S (FROM DAILY OBSERVATIONS)

STATION NAME

DATE! PEAK GUSTS IN KNOTS

MONTH YEAR	JAN	1.	FE	В.	MA	R.	AP	R.	MA	۱۷	JU	JN.	JL	JL.	AL	JG.	SE	Ρ.	oc	т.	NC	ov.	0	EC.	ALI MONT	
4			-	43	Li .	5.2	۶5 <i>۴</i>	60	÷	4 4	E	43	ķ.	66	E %	ி.த		4.2	S S	46	<b>•</b>	€ F.	5.	47		
4.5	,	54	٠. 2	5.7	N *1 m	5 9	5	43	<b>S</b>	43													\$5.4	<b>3</b> 3		
47			N 51	50	Na Sa	5 2	<b>H</b>	5.5	11	62	ESE	55	F	43	,	P 2	THE	50	V .	4.4	5 5 5.	55	\$ W	64		
4		4.5	558	55					Ĺ				L		\$ <b>S</b> *∗	46	5.5	50	i		į.	39	ŧř.	44		
4.3	_ *:	3 %			s: _	42			Nº4 W	4 5	Γ				_											
	۲.	33			Ni a	4/3							L .				_		l		l		L			
1							_														ų.	: ^	. % 4	۶.		
7	7.5	5.7	-	44	NN m	33	;	47	555	3 ?	NNE	44	55	23	,	53	<del></del>	<u>c</u> 4	1	23	514	? 2	\$ 5	37	554	Τ,
4	1	45	NSW	7.3		3.3		4.5		25	N .	3.3	ŠΞ	34	ESE	12	NW	4.3	١.	33	<b>5</b>	3.8	4	76	1145	4 6
	\.		554	40		4 C		41	55%		NW		S -	32	SΞ	7.9	E.W	2.2	. 11 .	. 3	1 2	30	<b>-</b>			
54		3	S &	37	S.W	3.5	Pa va	44	5. 4	3 4	3	37	k.,,	3.3	5.5	34	i i	5 3	SW	32	1112	4.				
9,7			-		ErE	32	ξ.	50	WS#	2 A	55×	37	1									7.0	NAIL	₹ °-		-
	-				N .	31		34		33			5 - <i>i</i> S ×i	38	444	40		39		29 39		3.9		* : ·	٠,	
					MAIE	4.1		31	1	- ',			Γ	-	ľ		Г		1	32	1	12	•	17		
	5.	0.1		4 2		43		42	SS m	57	<del>-</del>	6 6	8 F	66			55E E5E	38			۱ د د د		5 <del>5 ₩</del>			- 1 ( - 1 (
	1, 5, 11	-	5 S w	41	-		N ENE			30	1	54	Γ.	_	er H*imi	35	٠,٠	30 30		-			M 74 M	3 -	.,'	, i
1.5	1410.4	4 2	N N W	46	22		4 1 H	45	<u>S S «</u>		ESE		NNF		m 110	49	<u>Γ</u>	33		34		• (1		ر ـ	<b>-</b>	
. 4	51.5	44		-	3 4 6 5 m	57			* S S **		55E		5 S W	48		40	r -	3.3		50	<u>L</u>	4 4		44	85.	
5		$\rightarrow$	a u a u	38		4 3		36			NN P		N 1		NNE	39	-	44		33	L	; <u>a</u>		37	SW	44
,6			M S W	45			E ° E	53	T .	3 0		41		-	55.	51	Ţ	32		34	1	-		2.7	r S E	
67	+	34		34			Nº N	35			55.		<u> </u>	43			SE	20			5.		HNE	35	534	
	[		37 #N#	-	5 S E	47			55*	-	ENE	42		31		38	1			-	N		BSE			
	···	-		7 -		-7-4	<del>-</del>		-	<u> </u>	-		<u>.                                      </u>	4 3		1.3	ŀΕ	4.0	50	24				4 ^		
		23	<b>5</b> =	48	5-	36	Sa	43	5	2 4	N W	37	ļ.	-		7		20		31	,	77	Į.	34		
<u>-</u>	-	3 1		47		4.2			17	34		42		46	31	34		55		79	1	- रेव	r	<del>- 2 a -</del>	17	
• • •	2-	30	<b>-</b>	35		41		25	17	20	1-	46	г .	35		24	Г	30	2	24	21	60	5	34	21	
	27	44		34		34		43			33	25		24	<u> </u>		:6	20	Ħ		Ē		<del> </del>		<u> </u>	
	17	25		-	27	27	-	24	17	24		3.8	Γ.	24	2	26	3	29	٥	19	9	23	Į į	3		
MEAN																		_								
S D.									1							-	<b></b>		<u> </u>		1		<del>                                     </del>			
TOTAL OBS.													<b>†</b> -		$\vdash$		t	_			<b></b>		<u> </u>			

### **EXTREME VALUES**

SHOPAC, WITTE (FROM DAILY OBSERVATIONS)

STATION

HTTING FIFLD, FL STATION NAME

YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH	J	AN.		FEB.	~	IAR.		APR.		MAY		JUN.		JUL.	Γ	AUG.		SEP.		ост.		NOV.		DEC.	AL MON	
15	23	66	17	5.0	20	37	32	27	35	37	Û	3 36	? ?	2.0	2	3 21	32	35	. 5	32	34		3.5	35	23	۲.6
'6	34	24					13		3 <					22	þ			18		22				27	3.3	7.5
77	34	26			Г .		17		3 ?					, 36			1	36		סי	•			2	24	
7	24	3 7	_		19	21			26		_				ч		_			24	1		\$0	3.2	26	7.7
7.2	7 7	37	_		1 4		16		32	24										43			3	3.5	1.5	
) )	2,	37	ı		33		11 ^		3 `				_							29			34	31	50	4.3
1 1	35 55	24			03		13		15		-					-	•			20	1		7	30	24	. 2
-		37	34		U 3		01					, ,0	_	, ,	F				-						<u> </u>	
						·	-				_						_				-		-			
															_											
											-				L		_					<del></del>				
															L		_									
															_											
MEAN		39.6	_	47.1		30.0	+	40.3	-	3 6 5	H	39.3	_	37.8	F	37.0	-	35.5	⊨	31.4	H	35.6	-	35.K		10.7
S. D.	1	•51 7	2	.227				.265		. 904		. 544		•09B	ī	5.257	II	.676	9	.295	13	. 338	6	901	17.	716
TOTAL OBS.		946		8 4 A		4	1	956		789	Г	925		977	Г	0.60		923		927	T	. च क ह	T	455	11	256

### **EXTREME VALUES**

SHREACE WINES FROM DAILY OBSERVATIONS

STATION

PHITING FIELD, FL STATION NAME

PATLY PEAK GUSTS IN KNOTS PHASED ON LESS THAN PUR OBSERVATIONS FOR MONTH!

MONTH YEAR	JAN	1.	FE	8.	M	AR.	A	PR.	M	AY	Γ.	UN.	JL	JL.	AL	G.	SEP.		oc	t.	N	ov.	DEC.	ALL MONTHS
4 .												9.7 2.1						1		<u> </u>		35 25		DAYS
12 7	3.64	50 27		_														1				<u> </u>		#1405 0445
4.		<u>-</u>			F •	1							_					$\top$						NAV5
-,0	*-					•	55.	. 2	†		5 4	• • •		<u> </u>	_		ï	$\dagger$				.)	•	21005 04YS
								_		— ว				•			ί.	$\top$		::		- <del></del> -	:	WING
1		35			5 °.E	30		^	P. W	2.	1		-	- <u>-</u> -			į	+		- T			<u> </u>	DAYS
	1.	1.	4° %	32	N.V.	- 5	: SE	34	- S =	23			इंदर		FYE	19	<u>.</u>	1	7	<del>1</del> 2 2				7.4 Y S
5								<u> </u>		<u> </u>		- <u> </u>		<u> </u>		-		+					7 P	WINDS DAYS
		7					-		-									+			-	-		D4422
: 7	•;	1	Ε.	24												7		+				· ·	c	MINE.
5. ;			S i a		_		-		-									$\dagger$						WINDS DAYS
7.																		$\dagger$			12	4.21 1 .	16	WINDS
6,4											-						3€ .* 17	2			-	•		CAY
54	1,814	3-			5	4 " 2 2	55	5.			₹¥	47 15	_					$\dagger$			ध	<u>31</u>		DAYS
						• •		• •					5 "	. 7 1 7		1		$\dagger$				_		DAYS
MEAN								_						_	V-7:	~		+		_				<u> </u>
S.D.					ļ													1						

### **EXTREME VALUES**

STREAC WINTS

- 4 !

STATION NAME

45-2

FROM DAILY OBSERVATIONS

YEARS

DATLY PEAK GUSTS IN KNOTS 79ASTB ON LESS THAN 900 OBSERVATIONS FOR MONTH?

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN,	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
- 3					24 45			19 23		25 2 <b>1</b> 26	27 40. 17	21 47 23	WINDS DAYS
· u	-	24 49 U								20			7 4 7
						<u> </u>							
		<u> </u>					-						
				<b>.</b>									
									: <del> </del>				
MEAN													
S.D. TOTAL OBS.			<b>-</b>									-	

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	40 - 55	≥54	•	MEAN WIND SPEED
N	5.2	5.8	2.6	1.5								15.5	5.4
NNE	3.9	1.5	1.5									7.1	4.0
NE	1.7	1.0	. 6									3.6	4.2
ENE	. 6	let	• 3	l				<u> </u>				2.5	9.6
E	7.4	1.5				L						407	3.5
ESE		laó	. 7	. 3		ĺ	Ĺ					2.9	5.6
SR	1.6	1.9	4	1.7								5.2	5.4
55E	1.0	1.0	1.5	4		L						3.6	6.4
\$	1.1	1.3	7			l						2.9	4.1
\$\$W	107								I			1.6	5.4
SW	1		- 65		- 3							1.9	7.2
MZM	1.3	. 43		. 3								2.3	5.7
w	2.5	. 6	. 6									3.6	3.5
WNW	1.3	- 6	1.2									2.6	5.5
NW	1.3	. 3	1.9	1.2								4.5	7.1
NNW	2.9	2.9	1.5	1.6								7.4	6.3
VARBL													
CALM	$\bowtie$	$\times$	>>	> <	$\times$	$\supset <$	><	$\supset <$	$\geq <$	><	><	26.5	
	27.5	72.3	19.2	6 a B	. 3			I				100.0	3.9

TOTAL NUMBER OF OSSERVATIONS

SMOS

U.S. GPO 1984 741-3487

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23351 STATION	STATES FIELD FL. STATES NAME		YEARS	
		ALL WEATHER		NOURS (L'S T )
		CONTRACT ON		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	29 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	3.0	£ . 5	2.3	1.9								14.9	6.0
NNE	2.5	2.3	1.6	1.3								7.6	6.0
NE	2.6	1.3	- 3									4.2	3.5
ENE	6											1.3	3.5
E	7.4	6.5	. 3	. 3								7.8	4.2
ESE	1.2	. 6	- 6	3			[					3.0	Sal
SE	1.0	1.3	. 3									2.6	9.0
388		1.9	1.0	1.3								3.9	7.3
\$	- 4	1.9	1.0	- 6								3.2	7.1
SSW	1.7		.3									1.3	4.3
SW	. 6											1.3	. ñ. J
WSW	- 46	. 6	- 3									1.6	4.4
w	1.3			-6								1.9	5.3
WHW		1.3	1.0	3	.3							3.2	7.5
NW	2.6	1.3	1.5	. 3	3							5.5	5.6
NNW	- 6	2.0	2.9	2.3	.3						_	9.1	8.4
VARBL													
CALM		$\supset <$	$\supset <$	><	><	><	$\geq \leq$	><	><	$\times$	><	26.9	
	22.7	26.2	13.6	9.7	1.0							100.0	4.3

TOTAL NUMBER	t Of	OBSERVATIONS	• /	٠.

#U.S. GPO 1984-741 348/201

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION STATION	SHITTING FIELD, FL STATES SAIR	73-42	JAN
		EATHER CLASS	 - Dé
		mp+7+04	

SPEED (KNTS) DIR.	1-3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	40 - 55	≥56	•	MEAN WIND SPEED
N	4.5	5.2	4.5	1.5							<del></del>	16.2	5.9
NNE	4.2	1.2	1.7	- 3								8.4	4.6
NE	5.5	1.5	1.7						]			8.4	3.6
ENE	1.3	1.3	4.3									2.9	3.8
ŧ	3.5	1.3	1.0								1	3.5	3.6
ESE	1.1	1.6	1.3	. 3								4.3	5.4
SE	1.3	1.0	. 6	. 6								3.6	5.9
352	1.0	. 3	. 6									1.9	4.7
\$	1.3	1.3	1.7									3.9	5.2
SSW		1.0	. 3									1.6	2.2
SW		~	.6									1.0	7.0
W\$W		. 3		. 3								.6	8.5
w	1.3	1.0	.3	- 3		1						2.7	9.8
WNW	1.3	. 6		- 3								2.3	9.1
NW		. 3	1.9	1.3	4.3							4.2	10.8
NNW	1.2	2.6	1.6	1.6	• 6			<del> </del>				3.4	8.0
YARBL						<u> </u>			<del> </del>			1	V
CALM	$\supset \subset$	>>	$\times$	> <	$\times$	> <	> <	> <	> <	>	> <	23.6	
	25.5	21.7	15.1	9.6	1.0							100.0	4.3

TOTAL NUMBER OF OSSERVATIONS 309

#U.S. GPO 1984: 741:348/201

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# SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	PATTER FIFT OF FL.	13-82	YEARS	MONTH .
	ALii	EATHER CLASS		NOVES (L S Y
	<del></del>	PROTION	<del>_</del>	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	20 - 33	34 - 40	41 - 47	40 - 55	≥ 56	*	MEAN WIND SPEED
N	7.4	2.9	baž	فعل								13.3	7.9
NNE	- £	5.5	3.2	۵۰								160	5
NE		2.6	3									E	4.0
ENE	1.5	3.2	1.6									5.8	5.2
	2.9	3.2	هُول									7.8	4.0
ESE	2.6	4.9	1.3			[	I		I			8.7	4.7
\$£	2.3	2.6	1.0	1.0								S.E.	5.3
SSE	1.0	4 ?	1.0									2.3	5.4
5	1.3	2.3	1.2									Bai	امد
35W	4.5	6										1.9	403
sw	7	1.1	. 6									2.3	5.6
wsw	1.3	1.0		. 3								2.05	4.3
w		1.3	1.3	. 3								3.2	5.5
WNW			1									1.5	11.4
NW		. ?	1.3	1 - 4		1						9.2	9.5
NNW	1.6	2.6	2.6	1.3	- 6							4.7	7.9
VARDL							]	Ī ———				1	
CALM	$\supset \subset$	> <	$\supset <$	$\supset <$	> <	$\supset <$	><		$\supset <$	$\supset <$	> <	9.4	
	27.7	39.6	26.3	7.4	_1.0							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

G.

# SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	WHITING FIELD, FL.	73-83	JAV.
		VE ATHER	HOURS (L S T

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	1.0	5.5	5.4	2.9								15 €	7.5
NNE	1.5	2.5	1.0	3								4.2	9
ME	1.9		3					<u> </u>				3.2	4.6
BNE	1.6	. 3	. 1									7.5	3.6
Į.	a 5	2.9	• 3									3.9	4.5
282	1.7	2.3	1.2				}					4.2	5.7
94	1.	2 • 3	1.7	. 5								5.8	7.1
\$52	. 6	2.5	1.7	1.0								5.8	6.9
\$	5.	1.9	3.2	2.3								11.0	7.1
SSW		• 3	2.3	3								3.5	5.8
sw		• 3	3.5	1.5	4.5							2.3	10.1
WSW		• 5	-6	. 6								2.6	6.6
w	. 5	1.9	1.7									3.0	5.5
WWW	I	1.3	1.9	.6					1	i —		4.2	7.5
NW	1.2	2.7	3.5	1.5	. 6							13.0	8.6
NHW	1.6	7.5	3.5	2.5		• 3						10.6	9.0
VARBL	1 1									1	† <del></del>	1	
CALM	><	$>\!\!<$	> <	> <	> <	> <	> <	> <		> <		5.4	
	15.8	32.6	29.4	14.5	1.0	. ?	Ī — ·					100.0	5.7

TOTAL NUMBER	OF	OBSERVATIONS	,	1	•
	••	***************************************	τ.	1	<i>t</i> .

Ġ.

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	WHITIME FILLS FL. STATION MADE	15-82	YEARS	- JAN
		N. L. WEATHER		MOURS (L B T
	<del></del>	CONSTITUTE		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	•	MEAN WIND SPEED
N		3.8	Lal	2 . f.								15.2	7.7
NNE	1.3	1.4	1.3	7								5.2	5.0
NE		1.1	- 6									2.5	5.9
ENE	1.3	3 4 5	1.4									3.2	3.0
ŧ.	1.0	1.7	. 1									3.5	3.6
ESE	1.5		1.7	- 4								3.5	7.3
SE	-	2.3	1.6									1	6.0
SSE	1.6	1.3	2.2	1.0								6.6	6.9
5	1.2	4.2	5	1.9								12.5	7.4
SSW	1.3	2.3	7.5	~~		. 1						7.7	7.5
SW		1.3	1.0	1.0								3.2	3.2
wsw	,			1.3		. 1						2.9	10.4
w		1.3	- 4-51	- 7				<u> </u>	<u> </u>	1	<u> </u>	1.5	7.0
WHW	107	1.3	1.6	1.0						<u> </u>		4.6	7.7
NW	1 1	2.1	3.2	1.3	. 3					1		9.4	7.6
NNW	1.9	2.6	7.9	2.3	- 3							10.0	3.0
VARBL					-							1	
CALM		> <	> <	$\times$	> <	> <	$\times$	>	$\boxtimes$	$\supset <$		4 . 5	
	15-1	31.6	32.4	13.9	. 6	. 6						120.4	6.8

TOTAL NUMBER OF DESERVATIONS

SMOS

#US GPO 1984 741 348: 201

G. .

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION HAME	73-32 YEARS	JAL.
	ALL VE	ATHE?	HOURS (LST
	col	ENTINE	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	44 - 55	≥ 56	*	MEAN WIND SPEED
N	1.9		2.6	4								12.9	5.5
NNE	1.3	1.3	. 5									3.5	4.3
NE	2.2	تما	a b		L							3.7	4.7
ENE	1.5		,									2.5	4.0
£	1.	1.3				Г <u>.</u>	I					7.3	4,4
323	1.3	1.5	1.3									3.0	4.9
SE	1.7	1.2	1.5						I			3.5	6.5
35E	1.6	2.5		7								5.2	5.3
\$	9 2	,	1.7	3								10.3	4
SSW	3.3	let	1.0									5.4	5,9
sw	2.1	1.9	1.3					L				5.5	4.5
wsw	1.5	1.2										2.5	6.5
*	- 5	ڌ										1.3	3.3
WNW	2.3	الما		_ 3								3.4	4.0
NW	1.7	3.2	1.0	1.5						LI		7.1	6.5
MMM	4 3	1.3	2.3	1.3					I			9.7	÷. ?
YARM						I			L				
CALM	$\times$	$\times\!$	$\times$	$>\!\!<$	$>\!\!<$	><	$>\!\!<$	><	$\geq \leq$	$>\!\!<$	$\geq \leq$	15.5	
	31.7	32 - 3	15.2	3.5	. 6							100.2	4.2

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

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### SURFACE WIN

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION HARE					73-82 YEARS								<u>A</u>
		-	<u> </u>				WEATHER CLASS						HOU!	THE I
		-	<del>-</del>			CON	IDITION							
_		-												_
	SPEED (KNTS)	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	
N	4	5	3.2	1.3								14.2
NNE	:.7	2.2	ندا									7.4
NE	1	1.01	•									2.5
ENE	3.00	1-1										2.5
£	2.3	1.0	1.7									5.2
ESE	3.4	1.;				L						3.
SE	1.9	1	1.3	7								5.6
SSE	Lá	1.2	1.5									2.0
S	3.4	1.2	1.1									6.1
SSW_	3 . 2	1.0										1.5
sw	4											1.4
WSW												
w_	2 .	1.3		1 20				L				4
WWW	1	1.5		,								3.2
NW	11	1.6	نمن	1.0								5.5
иим	3.3	1.2	1.0	- 6								6.5
VARBL						L						
CALM	$\geq$	$>\!\!<$	$\times$	$\times$	$\mathbb{X}$	>>	><	$\geq <$	$\times$	><	><	71.5
	32.6	28.1	12.5	ε ,								100.0

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

3 4 1 STATION	WHITING FIELD, FL STATION MANE	73 - 47	JAN BONTH
	ALL #	EATHER	RL1
			_

SPEED (KNTS) DIR.	1.3	4 - 4	7 - 10	11 - 16	17 - 21	22 - 27	29 - 33	34 - 40	41 - 47	40 - 55	≥54	*	MEAN WIND SPEED
N	2.0	5.7	4.7	1.5	1							14.7	6.5
NNE	2.3	2.5	1.65	- 4				<u></u>				5.6	5.1
NE	2.2	1.4	a E									4.2	4.1
ENE	1.2	1.3	.5			Ĺ						2.9	4.3
E	2.3	2.1	fi									5.1	4.2
ese	1.5	1.8		. 2								4.4	5.3
SE	1.3	1.7	1.2	. 4								4.7	6.0
358	1.1	1.5	1.2	. 5					<u> </u>			9,7	6.1
\$	2.1	2.3	1.9	. 7								7.0	5.9
\$5W	102		1.1	1		شم						3.3	5.1
\$W			7	. 3								2.5	6.7
W\$W	تم	- 3.	•	- 4		-0						2.2	6.1
<u>w</u>	101	1.7	, r	2				<u> </u>	Ĺ		ļ	2.8	4.5
WNW_	9	ممد	.3	- 4	n							3.2	4.4
NW	1-1-1	1.5	1.9	1.4	. 2			<u> </u>	<u> </u>		Ļ	6.2	7.4
NNW	2.3	2.4	2.3	1.7	.2	2.0		<u> </u>	<u> </u>			5.0	7.2
VARBL						<u></u>		<u></u>	Ļ	Ļ	Ļ		
CALM	$\geq \leq$	$>\!\!<$	$>\!\!<$	><	$>\!\!<$	$\geq \leq$	$>\!\!<$	$\geq \leq$	$\geq \leq$	><	$>\!\!<$	16.5	
	24.9	28.7	20.4	3.6	. 7		I					100.0	5.3

TOTAL NUMBER OF OSSERVATIONS

SMOS

rU.S. GPO 1984.741 3

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	SHITTING FIFE D. FL. STATES HAME	71-p"	VEABS	
		ALL PEATHER		BOOM (L S T
		CONDITION	<del></del>	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥54	*	MEAN WIND SPEED
N	5.0	4.6	2.1	- 7								12.4	5.2
NNE	3.5	2.1	1									6.7	9.0
NE	2.1	7										3.2	0.1
ENE	1.8	1.1	. 4		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							2.8	443
e	2.1	1 - 8	1.1							T -		9.6	4.1
ESE	1 3	2.1	1.1	. 7								5.7	5.7
\$£		1.5	. 7									2.5	5.0
SSE	1.1	1.1		_ 4								3.2	7.4
5	1.5	. ?	1.5										- East
SSW	1.1	1.4	- 4	1.1								3.9	6.5
sw	- 7	1.5	. 7									3.2	5.2
WSW	3 - 4	. 4	- 7							<b></b>		2.5	9.6
w	5.9	1.8								1	····	5.7	1.6
WNW	1.3	1.1								1		3.2	
NW		1 - 8				<b> </b>						2.8	5.9
NNW	2.1	1.2	2.5	7.45		- 4				1		9.0	8.4
VARBL												7.00	
CALM	$\times$	X	$\times$	$\mathbb{X}$	$\times$	><	$\times$	> <		$\sim$	> <	23.4	
	30.9	29 a R	13.2	6.0	.7				1			130.0	9.1

TOTAL NUMBER OF OBSERVATIONS

80405

#US GPO 1984 741.

# SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

9 7 2 4 1 STATION	WHITING FIELDS FL.	73-52	YEARS	FER MONTH
		ALL HEATHER		MOURS (LST)
		COMPITION		

SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N	2.5	5.7	2.8	1.1								12.5	5.7
NNE	7.9	2 . 3	7	. 4								7.4	8.2
NE	2.5	1.1										3.9	3.1
ENE	1.4	1.1	. 7									3.2	9.6
C	1.8	3.2	. 7	. 4					I			443	5.2
ESE	2.5	1.1	.7					1				4.3	4.2
SE	1.1	1.4	. 7	. 7								3.9	Asl
35E	7	. 7	. 4									1.8	1.1
\$	1.4	. 4		. 4					i			2.1	4.5
SSW	. 7	4	1.4	.7								3.2	7.1
\$W_	4	1.1										1.4	3.4
W\$W	1.1	2.1	- 7										5.3
w	2.8	1.8	. 7						I			5.7	Anh
WNW	7	1.1	4	. 4								2.3	5.1
NW	1.1	1.4	. 7	. 4								3.5	Sat
NNW	3.5	5,0	, 7	1.1								12.3	5.4
VARBL	I			L								I .	
CALM	$\triangleright <$	$\supset <$	>>	$\searrow$	$>\!\!<$	>>	$>\!\!<$	$\triangleright\!\!<$	><	$\searrow$	>>	24.1	
	28.7	30.1	11.3	5.7								100.0	3.2

TOTAL NUMBER OF DESERVATIONS

242

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# SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

57 % 4 2 STATION	PHITI'S FIELD. FL.	4.5 = 0.5	# ER
	ALL A	EATHER	0.6
	•	SLAND	HOURE (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	29 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	4.4	4.3	7 . 5	1.1								13.5	5.4
NNE	- 7	3.5	1.1									16.3	4.1
NE	1.1			_ 4								102	4.2
ENE	2.5	1. "	- 9									4.5	3.8
E	1.5	lar	2.5	. 4								5.4	5.6
ESE	1.5	1.1	1.1						L		I	3.0	4.3
SE	1.2	1.1	1.1									3.3	5.0
55E	- 14	7	4	7						I		2.1	5.5
\$	7		7									1.3	5.0
35W	. 7									I		1.3	5.04
_sw	1.1	,										1.5	3,4
wsw	. 4	4.4										1.1	5.3
w	7	3.5	. 4	4							1	5.0	5.4
WNW	. 7	1.4	1.1									3.2	5 • C
NW	2.1	2.5		4	. 4							5.7	5.5
MNW	1.4	2.5	2 • 5	1.1					I			7.4	7.0
YARSL													
CALM	><	><	$\times$	><	> <	><	><	$\geq <$	$\supset <$		$\geq <$	75.9	
	27.0	25.3	16.0	5.0								100.0	3.9

#US GP0 1984 741-348-201

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

. 1241	WHITING FIELD, FL	73-82	ren
NOTATION	STATION NAME	YEAS	S MONTH
		ALL REATHER	C <b>Ý</b>
		CLAMP	MOURS (L.S.T.)
			<del></del> .

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	1.4	4 . 5	3.2	3.0								13.1	7.6
NNE	7.1	1.2	3.5	• 7								8.7	6.4
NE	1.4	2.∂	1.2	,								6.7	6.0
BNE	1.4	2. 9	1.1									5.7	4.9
ŧ	- 7	4.3	2 • ?									7.8	5.9
323	7.	5 <u>.</u> 1	• 7						l			9.2	4.3
SE	1.6	2.1	1 . 4	. 7								5.7	6.1
SSE	• *	1.3	. 4	. 4								3.2	5.7
<b>S</b>	1.3	1.4	1.4	1.1								5.7	5.6
\$\$W	1.4	1.1	1.0				<u> </u>					4.3	5.3
\$W		1.1	. 4	*						<u> </u>		1.5	7.0
WSW	• ts	1.4	1.4						l		L	3.2	6.0
W	, 7	1.1	2.5		, 4				<u> </u>	L		4.5	7.4
WMW	, is	1.1	1.6	. 4				<u> </u>				3.5	6.8
NW		1.8	1.5	• 7	, 4						L.—	5 •	6.0
NHW	1.1	1,4	1 • ñ	3.2	. A					<u> </u>	L	7.8	8.5
VARBL									<u> </u>		<u> </u>	<u> </u>	
CALM	$\searrow$	$\times\!$	$>\!\!<$	$>\!\!<$	$>\!\!\!<$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$>\!\!<$	$\geq \leq$	><	4.6	
	12.1	35.5	27.7	12.1	1.1							100.2	6.2

TOTAL NUMBER OF OSSERVATIONS

\$EU.S. GPO 1984 741-348/201

# SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

FATTON	SHITTHG FIELD, FL 23-F2	- FEA
	SEL -LATHEC	HOUSE ILSY

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 23	34 - 40	41 - 47	40 - 55	≥56	•	MEAN WIND SPEED
N	•	7.9	Sat	1.5								11.5	7.6
NNE	•	1.1	2.1	7								9.5	7.1
NE	100	1.4	7	4				L	<u> </u>			4.3	4.9
ENE	ì	2.5	. 4						l			4.5	4.3
E	2.5	1.1	. 7									4.3	4.1
ESE	. 4	1.7	1.1									2.6	5 . 3
\$E		2.1	1.4	7								4.3	7,7
352		2.5	1.2	1.1	. 4	4						6.2	
\$	7	3.2	1.8	1.4	. 4							7.4	7.7
\$5W	. 4	1.1	3.5	. 7	1.1							6.7	7.6
SW		2.1		. 4						i		3.5	6.2
WSW	.7	• '4	.1.2	4								3.2	7.
w	1.1	1.4	2.1	1.1	. 4	. 4						6.4	9.
WWW	1.6	1. 9	104	1.1	, tı							6.4	7.2
NW		3.2	1.8	2.5								7.4	8.1
NNW	1.	1.4	7.4	2.1	.7							13.	6.5
VARBL													
CALM	$\boxtimes$	$\times$	$\times$	><	$\times$	$\times$	> <	> <	$\supset <$	$\supset <$	>><	5 • 2	
	14.2	30 - 1	31.9	13.8	_ 3 . 2	. 7			-			130.0	7.1

JATC	NUMBER	Of	OBSERVATIONS	,	× :	ć

#US GP0 1984 741:348 201

# SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SHITING FIELD, FL 73-82

SPEED (KNTS) DIR.	1 - 3	4+6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	1.1	7, 4	5.0	2.5					·			13.1	7.8
NNE	, 7	3, *	1.6	.7								6.4	5.6
NE	•	2.1		-4								2.8	5.5
ENE	1.1	1.4	. 4									7.5	4.3
£	1.4	. 7	• 14									2.5	3.0
ESE	<b>⊕</b> <sup>2</sup> 4	• 7	. 4	. 4								1.8	7.2
8.2	• 7	2.5	1.4									4.5	5.4
\$\$E		. 7	1.4	1.1								3.5	9.4
8	1.4	3.3	9.6	1.4		. 4						17.0	7.9
SSW	- 4	1.5	5.3	. 0		·						7.8	7.1
sw	• 7	1.4	2.5	. 4								\$ . 7	6.9
WSW	, is	2.1	• 7	. 4								3.7	6.1
w		• 7	2.5	.7	, 4							4.3	10.1
WNW		3.2	1.8	. 7	. 4					I		5.7	7.3
NW	.7	2.5	7.4	1.4								7.4	7.5
NHW		2.5	3.2	3.2								9.7	8.4
VARBL												1	
CALM	$\supset \subset$	> <	> <	$\supset <$	$>\!\!<$	><	$\supset <$	><	$\supset <$	$>\!\!<$	$>\!\!<$	1.5	
	11.3	\$3.3	37.7	13.3	.7	, 4						100.0	7.3

TOTAL NUMBER OF OSSERVATIONS

# SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 P F F P	HITTING FIFT D. FA	73-52 YEARS	FFF POPTE
		ALL REASMES	NOTES (A S T -
		escorreia -	<del></del>

SPEED (KNTS) DIR.	1.3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	48 - 55	≥54		MEAN WIND SPEED
N	4 3	4.6	3.2	1.1								13.1	5.7
NNE	7.3	2.1								<u> </u>		5.7	٠, 9
ME	1.2	7	. 7	- 65								5.5	5.3
ENE	7	_ 7	. 4	L								1.5	4.8
E	1.5	1.8		- 4								3.9	4.4
525	1.1	. 7	7				<u> </u>	<u> </u>		<u> </u>	L	2.5	5.1
SE	1.1	. 7	.1.1								L	2.7	5.3
SSE	1.4	1	1.1	. 4				L		L	L	3.5	5.7
5	3.2	5.2	1.5	1.1								13.6	5.5
\$5W	و م	8.4	1.8	. 4		L		[			L	1103	5.7
SW _	1.1	2. *	7	. 7					<u> </u>			5.	5.8
wsw	103	1.4	1.0							I	[	9.65	5.0
w	1.4		4									1.00	3.2
WNW	la#	2. 5	g Eş	7_						L		5.7	5.3
NW	1.6	1.4	2.1	. 4			l					5	5.6
MMW	1.1	1.4	1.2	. 4		L			L			4.4	5.7
VARSL											i		
CALM	><	><	><	$\geq <$	><	$\geq <$	$\geq \leq$		$\geq <$	$\geq <$	$\geq \leq$	5.7	
	24.4	37.6	15.1	5.7		. 4						120.0	4 . 4

TOTAL NUMBER OF DESERVATIONS

292

SMOS

#US GP0 1984 741:348/201

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	SHITING FIELD, FL	73-A:	YEARS	FED
3747100	***	MEATHER CLASS		ROVES (L S T.

SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	3,5	5.7	2.1	1.4								12.4	5.6
NNE		1.5	1 .4			l			L			5.0	4.9
NE	1.1	1.4										2.5	3.6
ENE	1.	• 7										2.5	3.1
E	1.0	1.1	1 . '									9.3	5.2
EŞE	5	1.1	. 4	. 4								2.1	5.3
\$4	1.3	2.5	. 7	. 4								5.7	4 . 8
322		1.4	• 4	. 4								2 • a	5.5
\$	7.2	2.5	2.5	. 4	, 4							÷.9	5.8
\$\$W	2.5	1.1	, 4	. 4								4 . 3	4.3
\$W	2.1	1.1	. 4									3.5	4.2
W\$W_	¥ . 6	1.0		. 4								6.7	3,3
w	3 . 4.	¥. 5										7.4	3.5
WWW	1.4	. 4	, 54									2.1	3.5
NW	1.4	. 7	. 4	. 14			I					3.2	6.3
NNW	7.5	3.5	2.5	1.1								9.6	5.4
YAROL													
CALM	$\times$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!\!<$	$\geq \leq$	$>\!\!<$	$\geq \!$	$>\!\!<$	>>	17.0	
	34.0	5C • 1	13.1	5.9	• 7							100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION FIELD STATES MARK	7 K = 5 7 YEARS	F F G
	ALL PE	EATHER CLASS	ALL MOURE (L.S.Y.)
	<del></del>		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	3.6	4.4	7,0	1.7								12.4	٤. ١
NNE	2.5	2.3	1 a E	. 4								6.4	5.0
NE	1.0	1.3	. 44	. 3								3.5	4 . !
ENE	1.5	1.5										3.5	4.3
E	1.7	1.9	1.2	1								5.0	5.00
ese	1.5	1.5	e d	• 2								9.0	5.0
SE	1.1	1.2	1.1	1								4.2	5.7
352		1.2	ž.		.1							3.3	7.3
5	1.00	2.7	2.4	. ?	.1	. 1						7.5	6.5
35W	1.2	1.7	1.0		•1							5.4	6.4
sw		1.5	. 7	. 2								2.1	* · 6
wsw	1.3	1.2	. 5	.1								3.5	5.1
- w	1.5	1.7	1.1	. 4	• 1	•:						5.1	5.9
WNW	1.1	1.0	. 7	. 4	. 1							4.2	6.0
NW	1.3	1.9	1.3	. 0	• 1							5.1	6.7
NNW	1.7	2.5	2.5	1.2	• 7	• **						3.5	7.4
VARBL												1	
CALM	$\supset \subset$	$>\!\!<$	$\times$	$\times$	$\times$	$\times$	$\geq <$	$\supset <$	$\times$	><	$\supset$	13.5	
	2,,3	31.0	21.4	F.4	. 8	• 2						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 2256

<u>.</u>...

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

, 7 4 4 t	CHITING FIELD, FL	73+3/		<b>₩ &amp;</b> &		
STATION	STATION MARK		YEARS	MONTH		
	ALL GEATHER					
		CLAM		HOURS (L S T		
	<del></del>					

SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	3.2	2.1	3.*	1.3								11.0	5.4
NNE	_3•5	1.0	• 1									4.2	2
NE												1.5	4.5
BNE												• 3	2.0
ľ	1.3	1.	1.3									3.5	5.4
ESE	1.5	2.3	1.	. ?								5.3	₹.6
84	2	1.5	. 7	• €	. 3							5.8	5.02
SSE	4.01	3,5	1,~	1.5					1			7.0	6.5
\$	1.0	3.2	2.3	2.6	• 3							10.3	7.6
SSW	1.0	1.0		1.3	. 3							3.5	8.5
SW	1.5	2.3	. 7									3.=	4.4
W\$W	٠٤	1.5							<del></del>			2.3	9.6
w	7.6	. 3	• 3	1.7								4.2	5.0
WNW	1.5		•!	• £			Ī					1.0	7.0
NW	1.7	• 3		• 3			1		<del> </del>			2.3	5.1
NNW	1.7	2.6	•6		1.5		1					6.1	2.7
VARBL												1	
CALM	$\supset \subset$	$\times$	$\times$	$\times$	$\times$	$\times$	$\times$	$\geq$	$\times$	$\sim$	> <	74.0€	
	20.1	24.	12.3	7. 7	1.9	• ?						170.0	4.5

TOTAL NUMBER OF OSSERVATIONS

310

SMOS

#U.S. GPO 1984 741 34

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

37845	AMITTAL FIELD, FE	13-02		MAR
STATION	STATION NAME		YEARS	BONTH
		ALL REATHER		23
		CLASS		HOURS (L S T
		COMBITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.5	4	1.9	4.5								12.5	4.9
NNE	1.	2.3	8									<b>4.</b>	4.7
NE		1.	3									1.7	4,7
ENE	1.7	1.5										2.9	4 . 8
E	1.5	2.5	6									4.8	4.5
ESE	2.5	1.3	1.3									5.1	5.0
SE	2.7	1.0	. 4			I						4.5	4.7
SSE	1.07	1.7	1.5	A 5								9.2	6.8
5	1.7	1.	2.3	1.6	. 3							7.4	3.5
SSW	•	. ?	1.3	. 6				I				2.5	5.9
SW	1.7	2.3	1.5	. 3								5.7	6.5
wsw		4.2	. 5									-2.3	4.4
w	10.7	• 5	. 6									2.5	4.0
WHW	•	1.6	. 6	• 3								3.2	9.5
NW	3.*	1.	, į		1.7							3.5	3.4
NNW	7	1.9	1.	. 5	• 3	1		1	i			6.5	5.7
VARBL						ļ							
CALM	><	$>\!\!<$	> <	$>\!\!<$	> <	$\supset <$	$\supset \subset$	$\supset <$	$\supset <$	$\supset \subset$	> <	24 . *	
	200	25.5	16.5	5.8	1.6							170.3	4.3

TOTAL NUMBER OF OSSERVATIONS

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

714 <b>4</b> 1	WHITEND FIELD, FL	73+A↑	MAS
STATION	STATION MARK	YEARS	40471
		ALL HEATHER	
	<del></del>	CLASS	HOURS (L S T
		<u> </u>	
		COM pt T ION	

SPEED (KNTS) DIR.	1.3	4.4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	4) - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N		5.2	2.7	1.								11.	* . 3
NNE		2.3	_ 5						I			4.5	4.1
NE		2.									L	4.5	4.7
ENE		1.	1.7	• 3								4.	4 . 4
	3.	2.0	1.7									5 • :	4.1
ESE	2.5	1.9	1.0	• 3								6.1	14 . 5.
SE	1	1.7	• 3	1.6								5."	5.8
SSE	• .		1.4									7.	4 . 3
\$	7.3	2.	1.7	• 5	• •							0 • 1	4.3
\$5W	• 1	• ">	1.	• 3								2.3	7.1
SW		• 1	1.									1.	5.3
WSW	1.₹	1.3	• 3	. 5								3.	5.6
w	1.0	1.6										3.0	3.5
WNW	1.7	• 6	• ,	• 3								2.6	4.6
NW	• 4	1.	1.	• *		• "						3.0	7.8
NNW	1.5	1.7	1.3	• 3	1.							4.7	A . ?
VARBL													
CALM	$\boxtimes$	$>\!\!<$	$>\!\!<$	$\supset <$	><	$\triangleright\!\!<$	$\supset <$	><	><	><	><	23.5	
	27.1	25.1	15.2	b • 3	1.3	. 3						170.7	4.3

TOTAL NUMBER OF OSSERVATIONS

113

## SURFACE WIN

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

(KNTS) DIR.	1.3	4 · 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*
N	1.3	2.3	2	l a fi								7.7
NNE		4	3,3					L				2.7
NE		3.0	1.0	1.4								0.1
ENE		1."	1.3									и.2
E		4 . 5	1.	• t.								3.7
ESE	,	2.0	1.4	7		•						201
SE	7	3.1		1.6	. 6							9.^
SSE		3 <b>.</b> 5	3.5	1.5	3							10.1
\$		24.3		1.0	. 3							9.4
SSW	,	1.7	1.	1.0				L				3.5
SW_		1.2		<u>,</u> ú								3.
wsw_		1.		10	. 7		<u> </u>		<u> </u>			3
w		• 5	1.				L	<u> </u>	<u> </u>			1.:
WNW		1.3	1.0									3.5
NW	7	• 5	1.	1.5								3.5
MMM	•	1.5	1.3	205	. 7	۲.						6.1
VARBL							L	L				<u></u>
CALM	$\searrow$	$>\!\!<$	><	$>\!\!<$	>>	$>\!\!<$	$\geq \leq$		$\geq \leq$	$\geq \leq$	$>\!\!<$	4 .
	11.	36.1	23.4	15.	7.3	1.7						1 0.

TOTAL NUMBER OF OSSERVATIONS

**SMOS** 

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

\$ 1841	RHITING FIELD. TE	77 <b>-9</b> 7	神畫等
CATION	STATION NAME	YEARS	нонти
		ALL MEATHE"	12
		CLASO	HOURS (LST)
	<del></del>	Annual de la companya	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.0	1.7	7.3	•6	. 5							5.5	8.4
NNE	1.	3.6	7.7	. 3								5.2	5.2
NE		1 . 5		. 3								2.2	6.7
ENE	• 7	1.7	1.7	• 3								2.0	6.0
E	ā.	1.3	. 42									2.3	5.1
ESE		1.	3					Ĺ				3.3	1.3
SE		1.0		3.2		• 6			L			7.4	9.8
\$86		1.0	4 4 7	2.3	• 2							7.	8.5
8	1.	الا 4		4.8	. 5							20.5	7.1
\$5W		2.1	?.6	2 • 3		• 3						5.4	9.8
sw		7. ş	1.	1.3	• 5							302	11.2
WSW	1.5		7	4.5								7.1	6.1
w	•	1.	ر و پ	1.7						Ĺ		4 . 3	7.5
WNW		1.	4. 6.4	• 1								4.2	7.8
NW		•	1.6	1.3						L		3.4	3.8
NNW		1.	3.5	7 .	• 3	• 4						9.7	10.6
VARBL													
CALM	$\boxtimes$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	><	><	$>\!\!<$	$\geq <$	3.	
	21.	21.2	3.7.4	22.3	2.6	1.						1.0.	8.2

TOTAL NUMBER OF OSSERVATIONS 310

**SMO**8

#U.S. GPO 1984 741 348/201

# SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

Del .	<u> </u>	ING FIF	10, 21	HAME			73-32							40
<b>94</b>			STATIO	O HARK						YEARS			,	WONTH
		-			··	3FT 4E	ATHER							1 E
		~	···			con	IPITION				_			
	SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 · 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N	<b> </b>	5.2	2.0	1.9	<del> </del>			<del> </del>	<del></del>	<del> </del>	┿	2 4	
	NNE	<b> </b>	1.7	1.2	10.7	<del> </del>				<del></del>	<del> </del>	<del> </del> -	3.6	7.7
ı	NE	ļ — — — — —	<del>- • • -</del>		<del>                                     </del>	<b></b>		<del> </del>		<del></del>	<del>                                     </del>	<del> </del>	3.5	7.0
- {	ENE				3	<del> </del>		<del></del>	<del></del>	<del> </del>	<del> </del> -	<del> </del>		7.0
H	t t	1 7	1.3	. 3		<del></del>			<del> </del> -			<del> </del>	100	6.5
ł	ESE	100	e£.,	les		<del> </del>	<del> </del> -	<del> </del>	<del>                                     </del>	<del>}</del> -	<del> </del>	<del> </del> -	3.5	5.7
١	SE	-	<del></del>	1.4	<del> </del>	<del></del>				<del> </del>	<del></del>	<del> </del> -	1.0	7.5
ł	SSE		103	1.2	3.2	- 6	ļ		<del> </del>	<del> </del>	<del></del>	<del> </del> -	7.4	11.0
ŀ	332	+	1.0	4.2	2.3	3			<del> </del>		<del></del>	<del> </del> -	8.1	7.8
ł		<b>-</b>	3.2	11.3	6.1	6		ļ	<del> </del>	<del> </del>	<del> </del>	<del>}</del> -	21.6	7.4
ŀ	\$5W	<u> </u>		5.0	3.9					<del> </del>	<del></del>	<del> </del>	11.6	3.4
ł	5W_	#	1.6	2.3	1.6	3			ļ	ļ———	<del></del>	<del> </del>	5.3	13.5
ŀ	WSW	<del> </del> -	100	1.0	3_	3						<del> </del>	2.6	9.5
ļ	W	<b></b>	- 6	قعل	1.2		L		ļ	<u> </u>	Ļ <del></del>	L	3.5	9.0
- 1	WNW			1.5							<u> </u>		3.5	7.3
ı	NW	التعنا	1.3	2.3		- 3	<u> </u>					L	5 · °	7.6
į	NNW	1.00	100	2.5	1.9	. 3	• *				L		8.4	9.4
Į	VARSL	1												
- 1	CALM					$\overline{}$		$\overline{}$	$\sim$	$\sim$	$\sim$		7.3	

TOTAL NUMBER OF OBSERVATIONS

310

MOS

HUS GPO 1984 741.348

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

47541	AMITTING FIELDS FL	73-82		× A∂ HONTH
STATION		ALL VESTHER	YEARS	1.0
		CLASS		HOURS (L.S.Y.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	49 - 55	≥56	*	MEAN WIND SPEED
N		3, 2	1.7	• 6								8,4	5.4
NNE	2.3	1.07	• 0									4 . 6	0.0
NE		1.0										1.6	4.4
ENE	1.5			• *								1.6	5.0
ť	1		1 . L									4.7	4.8
ESE	-,-											1.9	7.5
SE	• 1	<u> </u>	2.1	7.5	- 3							6.5	10.0
35E		2.5	4	1.5								7.7	7.7
\$	7.	16.5	b • 5	1.9								27.7	6.1
\$\$W	1.	5 , 5	4.6	. 3	• 3							12.5	6.4
SW	• 3	1.9	2.7		. 3							5.5	7.7
W\$W		, t,	1.5									1.5	7.0
*	7	•	•									1.3	5.8
WNW	1.1	1.0	• 1.	• 3								3.2	5.3
WW	1.00	. 3	, K	. 7		L						2.5	5.0
NHW	. 6	1. 7	2.3	• 6	. 6							5.5	8.5
YARBL													
CALM	$\boxtimes$	$\times$	$\times$	$>\!\!<$	> <	$\geq <$	><	$\geq <$	$\geq <$	$>\!\!<$	$>\!\!<$	2.9	
	17.4	38.7	31.0	8.4	1.6							130.5	6.3

TOTAL NUMBER OF OSSERVATIONS

310

SMOS

#U.S. GPO 1984-741-348/201

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	PATTING FIELD, FL.	7 % = 6 ? YEARS	M & 77
		ATHER	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	3.2	5 - 5	1.	. 6	• 3							11.5	5.5
NNE	i.o	1.3	1.5						1			3.4	5.5
NE	1.2	1.0										2.3	4.3
ENE	. 5	1.0	- 3									1.0	4.3
ŧ	1.5	1.0	. 3	. 3						<b></b>	<del> </del>	2.5	5.6
ESE	1.0	2.3	1.3	6								5.1	5.3
SE	1 7	laC.	1.45	. 6	1.0							5.5	5.9
SSE	3.5	7.9	1.3		. 3							9.5	تَوفِرُ
3	3.2	3. 2	3.9	1.7								12.	6.6
SSW	10%	1.9	.6	1.3			<del></del>			<u> </u>		5.5	6.3
SW	1.7	2.3		. 3								5 -	4.7
WSW	1.5	1.3	1.0			_	<u> </u>					3,5	4.3
w	1.3	2.0		. 3								4.5	4,2
WNW	1.5	1.5		- 3								2.9	4.6
NW	• 8	1.0	• 4	. 3								2	5.8
NNW	1.0			1.6	• 6							3.7	9.6
VARBL					, , , , , , , , , , , , , , , , , , ,							1	
CALM	$\bowtie$	> <	$\times$	$\times$	$\mathbb{X}$	$\times$	$\supset \subset$		$\supset <$	> <	> <	15.2	
	27.4	51.9	14.5	3.7	2.3							100.0	4.0

TAL NUMBER OF OBSERVATIONS 310

SMOS

\$U.S GPO 1984 741:348/201

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ALL HER (L.S

SPEED (KNTS) DIR.	1.3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	2.0	3.3	2.3	1.7	. 2							Ç.7	6.1
NNE	1.4	2.1	1.4	. 1								5.0	5.3
NE	. 6	1.2	₽	. 3								2.7	5,9
ENE	, ;	1.0	• 6	• 2								2.5	5 . 2
E	3.7	1.0	1.2	• 1								4.5	5.1
ese	3.5	1.5	1.7	4		٦						4.6	5.9
SE	2.4	1.	1.4	1.7	. 4	• 1						6.5	8.4
352	1.2	7.3	2.7	1.3	.2	• •						7.7	7.4
5	1.7	4.5	5.0	2.7	• 3							14.6	7.7
\$5W		1.7	2.3	1.4	•1	• 1						6.0	8.0
SW	• 5	١,٠٢	1.7	* ¢	• 2							4.2	7.2
WSW	•	• 2	, 7	• 3	•1					*		2.7	\$ . 2
w	1.2	1.0	.7	, 4								3 - 3	5.7
WNW	• 9	10	1.1	, 4								3.1	6.1
NW		- 6	1.0	-•€	. ?	• 3						3.5	7.5
New	1.1	1.5	1.5	1.3	. 6	• 2						6.3	8.8
VARBL													
CALM		$>\!\!<$	> <	><	> <	>>	>>	> <	><	$\supset <$	>>	12.7	
	19.2	28.0	24.5	12.7	2.1	. 4						100.0	5.1

TOTAL NUMBER OF OSSERVATIONS

24.40

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

<u>whit</u>	MO FIL	TATION	HARE .			13-r2			YEARS				PC
	_				ALL 4E	ATHER		· · · · · · · · · · · · · · · · · · ·					98 * (U.S.Y.)
	_												
					CON	1917 (9E			_				
	_						<del></del>	*		_			
	<del></del>					Γ	<del></del>		<del></del>	<del></del> _		π	
SPEED (KNTS) DIR.	1.3	4+6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 54	*	MEAN WIND SPEED
N	4.0	3.7	2.7									10.3	4.6
NNE	3.0	1.3										3.3	3.4
NE		1.0										1.7	4.2
ENE	3	1.0				l						1.3	3.5
E	2.3	1.0	1.3				•					4.2	6.8
ESE		7				<u> </u>						3.3	3.1
SE	1.7	1.7	1.7									5.0	4.6
SSE	1.7	1.7	1.0							]		4.	5.7
\$	1.7	4.7	2.3	. 7								9.3	5.8
\$5W	3.7							L	L			2.7	3.6
SW		. 3		. 3								1.0	7.7
Wew	•				*	1		· · ·	]			1 7	4 6

TOTAL NUMBER OF OBSERVATIONS

390

150.2

SMOS

NW NW VARBL

#US GPO 1984 741 3

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

\$ * * # <b>4.1</b>	WHITING FIELD, FL	73-A2		APS
STATION	STATION HAME		YEARS	100 H T H
		ALL WEATHER		0.3
	<del></del>	CLASS		HOURS (L S T.)
			_	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	7.7	7, 7	1.	. 3								16.7	4.0
NNE	3.7	, 7	. 7									5.0	3.5
NE	1.5	• 3	1.~									2.7	5.0
ENE	. 7	1,0										1.3	4.5
E	1.7	2,3	• 3									4.3	4.1
ESE	,	, 7	• 3				[					3.0	3.7
SE	•	2.3	1.7	. 3								4.0	6.4
SSE	1.3	. 7	1.7	. 3								3.7	6.4
3	1.0	2, 2	2.07	1.0								7.0	7.1
SSW	1.0	1.7		• 3								7.3	5.0
sw	• :		. 7	• 3		_						1.3	7.8
wsw	7	• 3										.,	2.5
w	2.7	2.0	٠,٦	• 3								5.7	4.1
WNW	.7	1.3										2.7	4.3
NW	.7	1.7	• 3	• 7								2.7	6.6
NNW	1.7	2.3	1."	.7								5.0	6.C
VARBL													
CALM	$\supset <$	$>\!\!<$	$>\!\!<$	><	><	$\geq <$	$\geq \leq$	$\geq <$	$>\!\!<$	$\searrow$	$>\!\!<$	12.7	
	25.7	26.0	11.3	4.3	-						_	100.5	3.4

TOTAL NUMBER OF OBSERVATIONS

300

SMOS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION FIFE D. F. STATION HARE	73-32 YEARS	Д Р Ф ионти
	ALL !	ELATHER CLASS	C 6 HOURS (L S.T.)
		COMMITTION	<del></del>

SPEED (KNTS) DIR.	1.3	4-4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	2.3	5.3	1.3	.3								11.3	4.8
NNE	1.7	<b>6</b> . C	1.0				L	Í				6.7	4.6
NE	7 1	1.0	\$									3.7	3.0
ENE	1.5	2.0	. 3	• 3								4 • G	4,4
E	3.0	3.7	1.1									€.3	4.2
ESE	1.3	1.3		. 3								405	5.3
SE	2.0	2.0	7	. 7								4.3	6.2
SSE	7	1.0	1.1	. 3								2.7	7.1
\$		1.5	1.7	7								4.3	7.1
SSW	1.7		1.3									2.7	5.1
\$W	_ 3	3	. 7				Ĺ		<u> </u>			1.3	8,5
wsw	1.5	7										2.5	4,5
	1.7	1.3	. 7	. 3				L		l		3.7	4.6
WNW	1.7	, 7					Ĺ		L			2,7	3.6
NW	1.0	?	. 7									2.3	5.3
NNW	2.5	2,3	, 1	. 7								5.7	5.4
VARBL													
CALM	$\supset <$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$\geq <$	$>\!\!<$	><	><	><	><	><	30.7	
	23.7	23.7	17.1	3.7								120.0	3.5

TOTAL NUMBER OF OSSERVATIONS

#U.S. GPO 1984 741 348/201

370

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93441	SMITTING FIELD, FL	73-82		APR
STATION	PMAH MOLYAYS		YEARS	HORTH
		ALL WEATHER		_ 59
		CLASS		HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N	1.3	3.3	2.7	• 7								7.3	6.1
NNE	1.7	3.0	1.	1.0								6.7	5.1
NE	1.	1.7	1.3	• 3								4.0	6.2
ENE	1.	3	. 7	1.5								6.3	5.9
E	2.3	5.0	2.7									10.0	5.0
ESE	1.0	5.7	1.3	• 3	1							8 . 3	5.8
SE	1."	1.3	2.7	1.7								7.0	5.1
SSE	1.7	1.7	3.7	4.3	• 3							11.7	3.8
3	1.7	2.5	2.3	1.0								7.3	7.5
SSW	• 3	1.0	2.0	.7		, '						4.2	9.1
sw	• >	• 3	1.5	. 3								2.3	7.3
WSW	. 7	1.3	• 3									2.3	4.7
w	• 3	1.3	. 7	1.7								4.1	8.3
WNW	1.0	1.3	1.3									3.7	5.5
NW	. 7	1.0	1.7	.7								3.3	7.4
NHW	. 7	1.7	3.	1.3								6.7	7.5
VARSL													
CALM	>>	$\times$	>>	$\times$	$\times$	$>\!\!<$	$\times$	$\times$	$\times$	$\geq <$	>>	4.7	
_	15.7	34.7	28.3	15.0	4.3	. 3						150.0	6.6

TOTAL NUMBER OF DESERVATIONS 330

SMOS

#U.S. GPO 1984-741-348/201

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	MMITING FIELD, FL STATESH NAME	73 = 27	<u>ДР</u> Э
		EATHER	HOURS (L.S.T.)
		MINITION	<del></del>

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		2.7	3.7	2.3								9.0	8.2
MME	1.3	2.0	1.3	. 3								5.3	5.7
NE	3.5	1.7	.3									3.	4.7
ENE	. 3	1.3	• 3	. 3								2.3	6.1
e	. 7	1.2	1.3									2.7	5.6
ESE	7	2.0	2.3	. 3								5.3	6.4
\$2	1.0	2.0	3.3	2.0	. 3							8.7	8.4
\$5£		1.7	2.0	2.3	1.0	. 3						8.7	10.9
\$	2.0	2.7	5.3	4.3								17.3	8.8
SSW		_ 3 a C	3.3	2.7	. 3							9.!	9.4
sw	3	1.7	1.3	.7								4 . D	7.6
WSW	7	. 3	1.0	. 3				i ———				2.3	7.3
w	1.3		1.7		. 3							3.3	7.2
WNW	7	• 3	1."	4.3								2.3	6.7
NW		1.0	2.7	2.0			,					5.	9.1
NNW	1.1	1.7	3.7	, 3								6.7	7.4
VARBL									<u> </u>			1	
CALM	$\bowtie$	$\times$	>>	$\times$	$\times$	$\times$	$\supset \subset$	><	$\supset <$	> <	>>	4.7	
	12.3	25.0	35.3	20.3	2.0	• 3						170.0	7.7

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N	• ,	2.3	3.0	2.7								8.7	9.2
NNE	• 7	. 7	1.7									2.3	5.4
NE		1.0	1.0	9.3								2.3	7.3
ENE	• 3	1.3	• 3									2.0	4.5
E	•	1.7	. *									2.7	4.9
ESE		1.00	1.3								L	2.3	6.9
SE		1.3	1.3	2.0	• 3			I				\$ • ?	10.4
SSE	• 3	2.3	2.0	3.7	• 3							8.7	9.3
8	• ?	4.3	12.7	7,3	. 3	• 3						25.03	9.5
SSW	, 7	2.7	6.43	2,7								11.3	> .8
5₩		?	2.3	. 3						l		4.7	7.0
WSW	I -	, 7		2.3								3 - 3	12.3
w	۲.	, ,	7.0	_, 3								3.3	9.4
WNW	,7	1.7	1.2	7			I			l	Ľ	4 . 3	7.2
NW		7	2.3	3.3	. 3							8.0	10.3
NNW		1.7	1.3	2.0								5.7	8.6
VARBL													
CALM	$\bowtie$	> <	><	><	$\supset <$	$>\!\!<$	$\geq \leq$	$>\!\!<$	$>\!\!<$	><	$\geq \leq$	• 7	
	4.7	25.3	40,0	27.7	1.3	. 3						170.7	3.7

TOTAL NUMBER OF OSSERVATIONS

300

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	GHITING FIELD. FL.	73+37 YEARS	AP:
	ALL KI	ATHE?	NOURS (L.S.Y.
	CAN	IBITIAN	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.0	4, ?	3. 1	• 3								Q . (	5.8
NNE	. 7	1.7	47									2.7	4,6
NE												7.	2.0
ENE		7	, ,			I		<u> </u>				1.7	5.0
E		1.1							L			1.	4.5
ESE		1.5	7	3								2.	7.7
SE		1.3	3.3	. 7		l						5.7	7.8
SSE		2.7	4.7	1.5		L		L				9.	7.4
5		11.7	9		7							23.7	5.9
\$5W		12.0	4.0		3			L				10.3	5.8
SW	1	3.7	1."									6.5	4.6
WSW	,	1.3	1.3			L						3. n	7.0
w		10.7	. 7	• 7								3.	7.2
WWW	,	7	7					<u> </u>				3.7	4.6
NW		1.7	2.7	. 3								4.3	7.3
MMW	• 7	2.	2.			L	L				L	B . 7	6.1
VARBL									L				
CALM	$\supset \subset$	><	$\times$	><	><	$\triangleright <$	$\geq \leq$	$\geq \leq$	$\geq <$	$\supset <$	><	2.3	
	14.5	47.0	32.3	3.7	, ,							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12042	AHITING FIELU, FL	13-87		A.Fr. 2
STATION	STATION NAME	<del></del>	YEARS	MORTH
		ALL WEATHER		21
		CLASS		HOURS (L S T
		COMPITION		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	49 - 55	≥ 56	*	MEAN WIND SPEED
N	1.02	7.5	1.7									3.	4.0
NNE	1.	1.7	• ,									3 • 3	4.2
HE		• 3	•									1.	4.2
ENE		• 1										1.	7.7
E	1.7	• 4	1.									3.5	5.0
ESE	1.7	2.*	1.		L			L				4.7	4.7
ŞĒ		1.5	1.	• 3		• •			Ĺ			5."	4.5
858		4.	1.	• 7								5 • *	5.0
\$		4.7		. 7								10.3	5.7
SSW	7.	. 7	• 7	. 3								5.5	Ţ., Þ
SW	14.3	1.7	• <u>x</u>	. 3								6.0	
WSW	• • •	1.		٠ ٦	L							7.7	4.1
w		5,1	• 3									5 7	3.0
WNW	1.0	1.	• 3					ļ	ļ			3.6	4 •
NW		2,	• ?	• •				<u> </u>				4.0	4.5
NNW	3.7	• •	٠,	7								4.7	4.5
VARBL													
CALM	$\geq \leq$	$\times$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	><	><	$>\!\!<$	$>\!\!<$	11.7	
	3407	27.7	12.0	4		• 4						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

#US GPO 1984 741 348/201

## SURFACE WI

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

		STATIO	M MARK						TEA (ES)			
		· · · · · · · · · · · · · · · · · · ·			ILL /F	LASS				—		-
	-				con	IDITION						
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	,
N	3	9.1	2.3								`	10
NNE	1.0	1.3	,									1
NE	1.1			1								2
ENE	7	1.3	3	2								
E	1.4	2.1	1.	, )			• 9					q.
ŧse	1.1	10.3	1.	:	I	[						4
SE	1.1	1.7	1.3	1.5	- 1	• ^						5
SSE	ial	2.	2.1	1.5	2							1 7
5		4, 2	5	2.2	.1				L			
\$5W	1.	2.2	2.1		-1							5
\$W		1.2	1.	. 7		L			L			3
WSW		9		. 4		L			l	<u> </u>		
w	آ و ا	1.0	10:	. 4	0					ļ		4
WNW	1.	1.2	,,	.1	<u></u>							3
NW	• 5	1.2	1.	• 3	• ^				<u> </u>	<u> </u>		
NHW	3.7	10 %	1.6	. 7		<u> </u>	<u> </u>		L	<u> </u>		
VARBL				<u> </u>					L			
CALM	$\geq \leq$	$>\!\!<$	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	1 4,
	1 4.5	20.9	23,2	10.0	. 6							1 0

TOTAL NUMBER OF OSSERVATIONS

SMOS

**₽D A**150 643 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE ISMOS) WHITING FIELD FLORIDATU! NAVAL OCEANOGRAPHY COMMAND DETACHMENT ASHEVILLE NC. AUG. 84 2/4 MICLASSIF IFD F/G 4/2 ΝI



MICROCOPY RESOLUTION TEST CHART

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

92841	WHITING FIELD, FL	72-82		MAY
STATION	STATION MARE		YEARS	4047#
		ALL WEATHER		פר
		CLASS		MOUNT (L S T )
		C0400171001	<del></del>	

\$PEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 35	256	•	MEAN WIND SPEED
N _	3.5	2.9	.3									8,7	3.1
NNE	2.6	1.5	• 3									4,5	3.6
NE		1.0	. 3								I	1.9	4
ENE	1.5	• 6										2.3	3.6
ŧ	1.3	1.12	. 3									3.2	3.7
ESE	1.5	1.0		• 5								3.2	4.5
SE	?•?	2.3								I		5.5	3.1
\$\$E	1.6	1.3	• 5									3.5	4.2
\$	1.3	1.	2.7		• 3	[						4.8	6.7
55W	1.9	1.5	. 5	• 3								3.9	4.7
SW	1.9	• 5									I	2.6	3.^
WSW	1.0	• 3	• 3								L	2.6	3.0
₩	3.5	1.0								L		4 . 5	2.0
WNW	1.3	• 3	• 3									1.9	3.2
NW	1.3	1.0										2.3	3.6
MMW	1.5	2.3	. 6									4.5	4.5
VARBL													
CALM	$\boxtimes$	$\times$	$>\!\!<$	$>\!\!<$	$\times$	$\triangleright <$	><	$\geq \leq$	$>\!\!<$	><	$\geq \leq$	40.0	
	33.5	10.0	5.1	1.0	. 3							100.0	2.3

310

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

PTATION	AMITING FIFTD FT	73-82 YEARS	MAY WOMTH
	<u></u>	ATHER	93 NOVE (L.S.Y.)
	CON	191710R	

SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥54	*	MEAN WIND SPEED
Ŋ	6.3	3a i	1."									10.6	3.4
NNE	3.5	•	. 3									4.5	1.2
NE	1.3	1.7						<u> </u>				3.2	3.7
ENE	1.7	l a fi		*		L						2.3	5.4
E	1.3	1.6	3									3.2	3.8
ESE	1.5	. 3					Ĺ					1.9	2.2
\$ <b>£</b>	1.0	1.2	. 6	. 3	,			I				3.9	5.0
<b>59E</b>	3	1.0	e fo		Ĺ.							1.3	5.7
8	1.5	2.6										3.0	4.6
55W	1.7	1.5										2.6	4.8
SW	1.6	1.3	. 3									2.9	3.8
WSW	1.0			• •								1.3	4,3
*	2.7	2. 4	. 6	3								6.8	4.3
WWW	9.6	. 6										1.5	3.8
NW	1.3	1.3										2.0	3.8
WW	2.3	1.3	. 3									3.9	3.6
VARSL													
CALM	$\supset \subset$	$>\!\!<$	$\times$	$>\!\!<$	> <	> <	> <	$>\!\!<$	> <	$\geq <$	$\geq <$	43.2	
	29.3	21.9	4.5	1.3								150.0	2.2

TOTAL NUMBER OF OSSERVATIONS

310

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#U.S. GPO 1984-741-348/201

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93841	WHITING FIELD, FL	73-82		MAY
STATION	STATION HAME		YEARS	408TH
		ALL WEATHER		26
		CLASS		NOVES (L S T )

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	29 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	3.2	4,2	1.7									9.4	4.6
NNE	5.3	1.9	• 5									8.1	3.1
HE	1.5	1.5										3.2	3.4
ENE	2.6	1.0	1.0									4.5	3.
ı	7.0	2.7	.6									6.5	3.0
989	2.3	3.2	• \$									6.1	4.
SE	3.5	1.0	• 6									5 . 2	3.4
\$6E	1.0	• 6	, 1	3								2.5	5.0
\$	* *	1.6	• 3	. 6								2.9	6.4
SSW	• t:	1.3	•6									2.5	5.
SW	1.0	• 3										1.3	3.
WSW	1.0	1.0										2.9	3.
w	1.6	1, 3	, 1									3.9	4.
WWW	1.0	• 3										1.0	3.0
NW	1.6	1.3										2.9	3.4
HWW	1.0	1.5	. 5									4.3	٠.:
VARBL													
CALM	$\bowtie$	$\times$	$\times$	$\times$	$\times$	><	$\times$	$\triangleright <$	$\times$	>>	$>\!\!<$	32.6	
	32.6	26.1	7.7	1.0								100.0	2.

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

AUS GP0 1984 741:348/201

# SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	SHITING FIELD. FL	73-82	YEARS	MAY.
	ALL	CAME ?		MOURE (L.E.T.)
		000017700	<del></del>	

SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	46 - 55	≥54	*	MEAN WIND SPEED
N		2.3	1.6									4 . 4	5.
NNE	. 3	3.4	1.3	6								5.8	6.
ME	1.3	9.2	- 4 5	• 6				l				6.9	
ENE	1.7	2.5	.6									5.2	4.
E	2.9	3.2	2.5								_	E . 7	\$,
255		2.3	1.7	. 6								3.2	5.
\$4	1.1	2.6	2.9	1.6								8.4	7.
332	. 5	4.3	2.5	. 3								8 - 1	ţ,
3	3.9	4.2	3.2	1.6								11.0	6.
35W	4.5	1.3	1.7									3.5	6.
SW		1.3	1	.3								3.2	6
WSW		:.0	• 3									2.6	5
w	1.3	1.4	1.3									4.2	5.
WW	1.5	1.4	1.0	- 3								5.2	5.
NW		2.9	1.0									5.5	5.
New	1.0	2.5	1.5			Ī						5.5	5.
VAROL												1	
CALM	$\supset \subset$	> <	$\searrow$	> <	$\times$	$\supset \subset$	> <	$\supset \subset$	$\supset \subset$	$\supset \subset$	>>	6.5	
	17.4	43.5	26.5	6.1								100.0	5.

310

#US, GPO 1984-741 348, 201

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

9 8 E 4 ]	WHITING FIELD. FL	73-82		# 4 Y
STATION	SYATION MAME		YEARS	MONTH
		ALL WEATHER		1,
		CLASS		MOVES (L.S.Y.)
	<del></del>	CONTACTION		

SPEED (KNTS) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• -5	1.3	2.6	• 3								4.6	7.1
NNS	1.0	1.3	2.9									5.2	6.4
NE	1.0	1.3	. 6	• 3								3.2	5.5
BME	1.7	1.6	• 3									3 • 2	4.5
	• 3	1.0	1.5	• 3								2.6	6.5
158	• 3	1.5	1.6									3.5	6.7
<b>SE</b>	1.3	• 6	1.0	1.3								5.2	7.6
<b>358</b>	1.3	2.9	2.6	2.9								9.7	7.9
\$	1.3	3. 7	5.4	3.2								16.3	7.8
SSW	1.3	2. 9	2.9	1.9	• 3							9.4	7.1
SW	. 5	1.3	2.4	1.0								5.8	7,6
WSW	. 6	2.3	1.6	. 3								4.9	6.5
w	1.5	1.6	1.3	• 3								4.8	5.4
WNW	7	1.0	1.0									2.9	6,1
NW	1.3	1.0	2.3	1.0						<u> </u>		5.5	6,9
NNW	2.0	1.7	1.4	. 3								6.1	5.3
VARN													
CALM	><	$>\!\!<$	>>	> <	>>	$\overline{}$	> <	$\supset <$	$\supset <$	$\supset <$	> <	6.5	
	17.1	26.5	36.5	13.2	, 3							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

310

MAC

#U.S. GPO 1984-741-348/201

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

77841 SYATION	MHTTTIAL FIFLD. FL.	7 T = 2.2	34 A У монти
	<del></del>	ALL MEATHER	HOURS (L S.T.)
	<del></del>		

SPEED (KNTS) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥#	*	MEAN WIND SPEED
N	• •	2.3	2.9	• 3								3.4	7.0
NNE		1.3	5			I	I					₹.6	5.3
NE	- 3	1.3	- 3	3								2.3	6.6
ENE	4.3	1.7	1.3									2.5	3.7
		1.3	1.1		. 3							3.2	7.3
ESE	. 3		.3					I				1.0	4.7
SE	*	1.0	1.0	. 3								2.6	4.7
\$SE	1.3	2.8	1.0	2.6								8.1	7.9
8	1.2	7.4	13.9	3.9								26.1	7.9
35W		3.2	9.4	2.9								16.1	8.4
SW	. 3	1.3	3.2	1.6								6.5	8.8
WSW	À	1.3	2.3									9.2	7.2
*		1.0	1.0	6								2.9	7,4
WNW		106	1.3	- 3								3.0	4.2
NW	. 5	1.6	1.3	. 3								3.9	6.8
MMW	ė	2.5	2.3	. 6	. 3							6.5	7.4
VARBL													
CALM	$\times$	> <	><	$>\!\!<$	$\supset \subset$	><	$\supset <$	$\supset <$	$\triangleright <$	$\times$	$>\!\!<$	2.3	
	5.4	31.0	43.7	13.7	. 6							120.0	7.4

TOTAL NUMBER OF DESERVATIONS

310

#U.S. GPO 1984.741-348/201

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# SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93841	WMITING FIELD, FL	7 7 + 9 2 YEARS	HAY
	ALL WE	EATHER CLASS	18 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1.3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	44 - 55	≥54	*	MEAN WIND SPEED
×	1.3	2.6	2.6	• 3								7.1	5.4
NNE	1.7	1.3	. 5	- 3								3.2	5.4
NE		1.3	3									1.5	5.5
ENE	- 5	1.3	2									2.3	4,0
	1.5	1.9	3									3.9	3,6
ese		3_	- 6				Ĺ					1.3	6.3
		100								<u> </u>		2.3	6.0
582		7. 9	2.9							<u> </u>		6.5	6.5
	2.0	12.6	8.7	1.3							<u></u>	24.1	6.5
SSW	تعلا	3.4	€.7	1.3						Ļ		20.3	6.7
sw		5.5	1.6	- 3						L		3.1	6.1
W\$W	1.0	1.0	1.3	3_						<u> </u>		3.5	6.2
	-3	103	1.0	ļ			L					2.6	6.3
WNW	L	- 5								<u> </u>		1.0	7.0
NW	1.0	3	بعب							ļ		2.5	7.1
NHW		2,6	1.3	3			ļ		ļ	<del>  </del>	ļ	4.5	6.5
YARBL	<u></u>											<b>I</b>	
CALM	><	> <	> <	> <	><	> <	> <	$>\!\!<$	><	$\geq \leq$	> <	4.2	
	13.2	46.1	32.3	3.9	. 3							100.0	6.0

310

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# SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2734) STATION	MHITING FIELD, FL STATISH NAME	<u> 73-82</u>	YEARS	M A V
		ALL WEATHER	<del></del>	POURS (L.S.Y.)
		CHINITION		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	46 - 55	≥56	*	MEAN WIND SPEED
N	3.5	1.0										7.1	3.3
NNE	1.6	1.3	1.0									3.7	4.3
NE									L			1.5	4.4
ENE	£											1.7	3.3
E	2.3	1.0										3.2	2.5
ESE	2.3		. 5									3.2	3.6
SE	3.5	2.3		3								6.5	3.6
\$5E	1.5	2. 9	1.2	3								5.8	5.0
8	2.3	2.5	2.3									7.4	4.9
SSW	4.2	3.2	1	3								9.4	4.2
\$W	6.1	1.9										5.1	2.
WSW	4.2	2.3	. 3									6.4	3.3
w	3.2	2.3										5.3	3.1
WNW	. 6	. 3	. 6									1.6	5.7
NW	3	3										• f;	3.0
NNW	1.5	5	. 3									2.5	3.0
VARM													
CALM	$\supset \subset$	> <	> <	><	> <	><	><	> <	$\supset <$	$\supset <$	> <	25.5	
	41.6	23.9	6.1	1.0								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS

317

RUS, GPO 1984 741 348, 201

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1987	WHITTNG FIELD, FL	73-62	
STATION	STATUM MARIE	YEARS	MONTH
	عوني سا	EATHER	ALL
	<del></del>	CLAPA	HOURS (L S Y

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	2.7	2.5	1.7	•1								7.7	4.8
NNE	2.0	1.7	Ģ									4.7	4.6
NE	9	1.7	- 3	. 2					<u> </u>	<u> </u>		3.0	4.9
ENE	1.2	1.7		• 0								2.9	4,4
	1.7	1.7			.0							4.7	4.5
ese	1.1	1.2	. 7	• 2					I			3 . 2	5.0
88	1.0	1.5	1.	¢.								4.9	5.3
\$\$E	100	2.4	1.5	. 3								5.7	6.5
\$	10.3	4.4	4.7	1.3								12.2	6.9
SSW	1.5	2.3	3.1	ع و	- 0							8.5	5.5
SW	1.5	1.7	1.1	. 4								4.5	5.6
WSW	1.5	1.3	4	• 1								3.6	4.9
w	1.7	1.7	. 7	• 2						I		4.4	4.7
WHW	. 7	. 4	2	• 1								2.4	5.4
NW	1.0	1.2		. 2	7.						I	3.2	5.6
NWW	1.6	1.5	1.1	• 2	0							4.7	5.3
VARBL													
CALM	> <	$>\!\!<$	$\times$	$>\!\!<$	$>\!\!<$	> <	$>\!\!<$	$\times$	> <	$>\!\!<$	><	76.1	
	24.1	29.8	20.7	5.2	2					I		100.4	4.4

TOTAL NUMBER OF OBSERVATIONS 2480

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93841	WHITING FIELD. FL	73-02	
STATION	STATE HOUTATA	YEARS	WONTH
		ALL BEATHER	90
	\ <u>-</u>	CLASS	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	3.03	3.3										2.7	3.5
NNE	7	. 3										1.0	2.3
NE	7	1.0						Ì				1.7	4.0
ENE	2.0	. 7										3.7	2.5
E	2.3	• 7	. 3									3.3	3.2
ESE	2.3	. 7								,,,		2.7	2.5
SE	2.3	. 7										3.0	3.0
SSE	1.3	• 3										3.5	3.3
\$	1.7	1.3								<u> </u>		3.3	3.4
SSW	1.7	1.0										?•`	3.3
SW	3.7	1.0			· · · · · · · · · · · · · · · · · · ·					1		4.7	2.
WSW	2.7	2.0		<u> </u>								4.7	3.3
w	2.7	2.0								1		7.7	2.8
WNW	1.1	. 3										1.7	2.6
NW	1.3	7										3.	3.2
NNW	7,3	1.0					<u> </u>	<u> </u>				3.3	3.0
VARBL				<del>                                     </del>	<b> </b>		<del> </del>	<u> </u>					
CALM		$\times$	>>	> <	$\times$	$\times$	$\times$	$\times$	> <	$\boxtimes$	> <	45.7	
	37.0	17.0	_ 3	.3		I		]				100.0	1.7

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# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-72 MEATHER

SPEED (KNTS) DIR,	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N		5. *										12.3	3.5
NNE	7,7	1.3	. 3									5 • ♡	3.0
NE		. 3				I						1.7	3.2
ENE	• 7	1.3										2.0	4.0
· ·	¥ • 7	1.3	• 3									4.7	3.4
ese	1."											1.3	2.0
84	1.1	. ;										1.5	3.0
88E	• 3	. ?										3.0	3.7
8 -	, 7	1.0	_									1.7	3.4
85W	1.	. 7										2.3	2.7
\$W	2.5	1.0										3.5	2.8
W\$W	7.3	7.0	• 7									4.7	3.9
w	4.7	. 7										4.7	2.2
WNW	• •												2.0
NW	1.7	1.0										2.7	3.1
NNW	9.7	1.3	• 3									5.3	3.1
VARBL													
CALM	$\times$	$\times$	$\times$	$\times$	$\times$	$\times$	> <	$\times$	$>\!\!<$	$\times$	$\times$	46.	
	33.7	18.7	1.7									100.0	1.7

TOTAL NUMBER OF OBSERVATIONS

SMOS

#US. GPO 1984 741 348/201

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

FTATION	AHTTING FIELD. FL.	71-2	YEARS	
		ALL VEATHER	11	HOVES (L S T
		COMPLYION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N	1.3	6.0	2.								†————— L	1	9.1
NNE		2.7										5.	3.6
NĒ		1.3	7									4.7	7.2
ENE	1.7	1.3	. 7								Ĭ	. · ·	4.6
E	2.3	2.3	7								:	5.5	₹.6
ESE	. 7	1.2										4.0	2.6
SE	1.7	7											2.5
SSE	, ,		<b>a</b> 3									1.3	4.1
\$	į.	1										1.7	3.6
SSW	2.5											2.3	2.4
SW	1.7	1.				i						2.3	3.0
wsw	3.0											3.0	1.0
w	4 4 2	2.3	. 7									6.7	7.4
WNW	1.0		Ţ									1.	4.3
NW	2.3											3.5	2.8
NNW	7.3	. 3										3.0	5.0
VARBL													
CALM	$\times$	$\times$	$\times$	> <	$\supset <$	$\supset <$	> <	><	$\supset <$	><	><	76.3	
	37.2	21.0	5.03									170.0	2.2

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

() 9 VRS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N	•	4.3	1.									11.0	3.5
MME	,		1.3	• 7			L	Ĺ				4.5	5.8
NE	1.0	2.3	. 7							<u></u>		3	4.5
ENE	7.7	2.7	1.7	• 3		L				Ĺ		6.7	5.3
£	1.	3.3	. 7									5.7	4.5
ESE	1.	1.7	•									3.3	4.8
SE	7	2,7	. 7									4.7	4.0
SSE	<b>^.</b> 3	1.										3.	2.4
\$	1 3	3. 7	2.3									7.7	5.6
\$5W	3	3.0	2."										6.1
SW	7	2.7										3.	4.5
WSW	7.5	1.7	2.0	7								<b>.</b>	5.7
w	7.	4.0	3.0	3								13.4	5.0
WNW	1.5	3.	1									×	4.4
NW	1.	3.7	, 7			L						٠. ٧	4,0
NNW	1. "	2.5	1.	• 3								5.4	4.9
VARBL													
CALM	$\times$	$\times$	$\times$	$\times$	>>	><	$>\!\!<$	$>\!\!<$	$>\!\!<$	$\geq \leq$	$>\!\!<$	λ.4	
	27.4	44.1	19.1	2.0								100.0	4.5

TOTAL NUMBER OF OSSERVATIONS

T.

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATISH FIELD, FL. STATISH NAME	73-52	YEARS	- JUS
		ALL WEATHER	<del></del>	1.2 1000S (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	46 - 55	≥56	*	MEAN WIND SPEED
N	2.7	5.3	1.7	• 3								11.0	8.0
NNE	7	3.0	. 7	. 3								4,7	5.9
NE	,	1.7	, 7	. 3					L			3.3	6.5
ENE	1.5	2.3	7	. 3								4 . 3	5.5
E	1.7	1.7	.7	2								4.3	5.1
ESE	2.0	1.3	•3									2.7	4 . 6
\$4	.7	1.7	. 7									3.0	4,9
\$\$£		2.0	2.0									4.3	6.0
\$	1.2	3.3	6.0	1.3					I			11.7	7.4
SSW	7	2.7	5.0	.7								3.0	7.9
SW	• •	2.0	2.0									4.5	6.2
WSW		1.3	7. ;	. 7								5.0	7.1
w	7.3	4.3	1.0									7.7	4.4
WWW	2.0	3.0	1.7			]						6.3	
NW		2.7	• ?									3 • C	5.
NHW	6.3	3	1.4	• 3								7.0	9.7
VARBL												1	
CALM	$\searrow$	$>\!\!<$	$\times$	$\times$	$\supset$	$\supset \subset$	> <		$\times$	$\supset \subset$	>	8.3	
	17.3	42.0	27.7	4.7								100.0	5.

TOTAL NUMBER OF OSSERVATIONS

300

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

WHITING FIELD, FL J UN 73-52

SPEED (KNTS) DIR,	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	24 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.5	3.0	2.	,7								7.3	6.7
NNE	1.1	1.3	1.7									3.7	5.2
NE			7	.3			L					1.7	8.2
ENE	1.7	1.7	1.	. 3	. 3							4.7	6.1
ŧ.	1.0	1.0	,	3								3.0	3,6
23.5	7	1.7	1.0									2.3	6.0
SE	7	3	1.7	• 3								3.C	7.0
\$5E		. 7	1.7									2.0	7.2
\$	10.7	5.7	11.3	, 7								18.3	7.3
\$\$W	. 3	5.7	7.7	1.7								15.3	7.3
SW	7	3. r	ر بر	1.0			Ĺ					7 . 3	7.2
W\$W	, 1	3.5	<b>2.</b>	. 3								6.0	6.5
*		2.0	2.7									4.7	7.4
WWW	-	1. 1		• 3								2.7	4.9
WW		1.3	2.3	. 3								4.0	7.4
MMM	1.7	4.7	2.0									8.7	5.2
VARM												1	
CALM	><	$>\!\!<$	$\times$	$\searrow$	$\times$	$>\!\!<$	$>\!\!<$	> <	$>\!\!<$	$>\!\!<$	$\geq \leq$	5.7	
	10.3	36.0	41.3	6.3	. 3							130.0	6,4

TOTAL NUMBER OF OBSERVATIONS

300

#U.S. GPO 1984 741 348. 201

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93841 BTATION	AMITING FIELD. FL.	73-82 YEARS	JUN HORTH
		ATHER	HOURS (A.S.Y.)
			<del></del>

SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 · 27	26 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
×	3.7	5.3	1.3	- 3								13.7	4.7
NNE	- 3	2.0	. 3	. 1							!	3.0	6.0
NE	7	1.7										2.7	4.3
ENE	7	1.3		[		]						1.7	4.0
	1.0	1.3	• 7									3.0	4.4
ESE	• 7	1.5						[			[	1.7	3.4
\$£		1.3	. 7									2.7	5.2
\$5E	•	3.7	.3	.3							1	5.7	5.1
8	3.0	9.7	6.7	.7								20.3	5.7
SSW	2.3	3.7	4.7							1		16.7	5.4
5W	1.3	2.7	2.7									6.3	5.8
WSW	1.7	3.	1.7									6.3	5.0
- W	107	3. :	1.7			<del> </del>						6.0	4.9
WWW		₹.0	-	<del>                                     </del>			<del> </del>		<del></del>		<del> </del>	2.7	5.9
NW		•	• • •	<u> </u>						<b>†</b>		7	6.3
NHW	1.0	3.3	• ?	<del> </del>	<del>                                     </del>	<b></b>	<u> </u>				<del>                                     </del>	4.3	4.6
VARSL	<del>                                     </del>	-7 -7	<del></del> -	<del>                                     </del>	<del>                                     </del>	<del> </del>				<del>                                     </del>	$\vdash$	<del></del>	
CALM	> <	>>	$\times$	> <	>>	$\times$	$\geq$	> <	$\geq$	>	$\geq <$	7.3	
	18.0	51.0	22.0	1.7								100.0	4,5

TOTAL NUMBER OF OBSERVATIONS

370

SMOs

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	WHITING FIELD, FL	73-82		JUN
STATION	STATION MAINE		SAAS	#94TH
		ALL WEATHER		21
		CLASS		NOVES (L.S.T.)
		660047100		

SPEED (KNTS) DIR.	1.3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	44 - 35	≥ 54	*	MEAN WIND SPEED
N	2.3	2.3	_ 2									7,7	3.1
NNE	2.3											3.3	3.1
NE	1.3	la3										2.7	3.0
BME	1.3	• 7										2.0	3.5
ı	1.3	• 7										1.7	3.2
196	7	7						Ι				2.7	2.5
9.E	• •	2.3										2.7	4.1
388	7.3	2.7										5.4	3.7
8	4.7	7.7										8.4	3.4
SEW	5.0	2.7	. 3									9.0	3.2
sw	7.3	1.7	• 3									5.4	3.3
W\$W	3.7	2.0										5.7	3.1
w	4 . 3	2.3										6.7	3.3
WWW	. 7	• 3										1.0	2.7
NW	1.3	. 1	.7									2.3	1.4
NHW	2.7	1.5	• 7	. 7								4.7	3.9
VAROL	1												
CALM	$\supset \subset$	$\times$	>>	$\times$	$\times$	> <	$>\!\!<$	$\times$	$\times$	>>		28.4	
	42.8	25.4	2.7	3_								120.0	2.4

TOTAL NUMBER OF OSSERVATIONS

299

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# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

y 3 /2 lg 1	PRITTING FIELD FL STATES HARE	73-8.	YEARS	<u>JUh</u>
	AL_	CATHER CLASS		HOURE (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	41 - 55	≥56	*	MEAN WIND SPEED
N	4.5	9.5	1.7	42								10.5	4.3
NME	1.5	1.5	ذ.									3.8	4,5
NE	1.1	1.3										2.8	4.4
ENE	1.4	1.5	ده	.1	. 0						ĺ	3.5	4.7
	1.8	1.5	5	1								3.8	4.1
ESE	1.4	1.0	- 3							I		2.6	3.6
SE	1.0	1.2		3								2.6	4.6
38E		1.5	-5	9								3.0	4.7
\$	l a ĉ	3.6	2.3									9.0	5.9
35W	1.0	3.2	2.5	. 3								7.8	5.6
SW	1.5	1.0	1.0	1								4.6	4.8
WSW	2.7	1.9	1.1	• 2							I	5.2	4.8
*	3.1	2.6	1.0	• 3								6.8	4.1
WWW	1.0	1.3	. 6	• 0								2.7	4.6
NW	1.0	1.3		ĵ.								2.0	4.8
MMW	2.2	2,1	. 9	• 1								5.2	4.3
VAROL													
CALM	$\times$	$>\!\!<$	$\times$	$\times$	$\times$	$\times$	$\times$	> <	$>\!\!<$	$\times$	$\boxtimes$	23.3	
	23.3	31.9	14.9	1.9	.2							100.0	3.6

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# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	WHITING FIELD, FL.	<u>73-82</u>	YEARS	JUL HONTH
		ALL WEATHER		HOUSE (LST)
	<del></del>			

SPEED (KNTS) DIR.	1.3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥54	*	MEAN WIND SPEED
N	7.2	1.5										4.7	2.9
NME	1.0	- 4										2.3	3.9
NE *	1.9	1.0					•					2.0	3.1
ENE	. 4.											•6	2.0
E	1.6	1.7	• 3									2.9	3.4
ese	2.0	9 4	. 5						<u> </u>			4.2	3.6
<b>8</b> 2	1.*											1.3	2.3
388	• 3	. 5										1.7	4.7
8	2.6	. 5										3.2	7.0
\$5W_	1.6	. 6										2.3	2.6
\$W	2.6	1.0										3.6	2.9
WSW	4.2	2.3										6.5	3.2
*	3.9	2.6										6.5	3.6
WWW	3.6	. 6						I				4.5	2.5
NW	1.3	3										1.7	3.3
MAM.	1.9	3										2.3	2.9
VARBL													
CALM	$>\!\!<$	$>\!\!<$	$\times$	$>\!\!<$	$>\!\!<$	><	$>\!\!<$	>><	> <	><	$\ge$	49.5	
	35.3	13.9	1.3									170.9	1.6

TOTAL NUMBER OF OSSERVATIONS

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	MINING FIFE D. FA	13-82	VEARG	- JUL
		ALL MEATHES		03 HOURS (E.S.T.)

SPEED (KNTS) Dift.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	h = 2	1.5						Ĺ				5 . 9	2.7
NNE	ief	1										1.7	2.5
NE	2.2											2.9	2.
ENE	1.5	1.0										2.3	3.7
E	3.2	1.6	¢									5.5	3.0
ESE	1.6	. 3										1.9	1.
SE	1.3	. 3										2.3	2.
SSE	1		. 3	.3								.4	7.
8	3											. 3	1.
SSW	1.07											1.3	₹,
sw	1.9											1.0	2.
wsw	1.3	1.3										2.6	3.
w	3.0	3.5	. 7									7.7	3.
WNW	2.9	- 3										3.2	2.
NW	7.0	1.0										3.7	2.
NNW	3.2	. 3										3.5	2.
VARBL	<del>- ` * *</del>											1	
CALM		${}$	$\times$	$\supset \subset$	$\supset <$	$\supset <$	>><	> <	$\supset$		> <	51.5	
	34.5	12.3	1.3	. 3								100.6	1.

TOTAL NUMBER OF OSSERVATIONS 310

SMOS

#U.S. GPO 1184-741-348/201

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

AMITIAS FIELD. FL. 73-72 ALL WEATHER

SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 35	≥56	*	MEAN WIND SPEED
N	1.1	1, 7										9.5	2.1
NME	3.9	• 3										402	2.6
NE	2.5	1.6										4.2	2.3
3143	3.5	1.7										5.5	2.6
ŧ	1.0	7.6										3.0	4.7
686	1.0	1.0										2.9	3.1
\$2	1, 1	. 3										1.6	3.:
351												• 3	3.0
8	[]		7			Ī						• 3	8.0
\$5W	1.6											1.0	1.:
\$W	1.0	. 3										1.3	2.
WSW	100	1.3										2.5	3,0
W	3.5	2.3								L		5.5	3.9
WWW	2.5	تمل						L				3.5	2.0
NW	2.6	1.6										402	3.1
NW	3.2	1.6		Ĭ								4 . 3	3.
VARIOL													
CALM	$\times$	$\times$	$>\!\!<$	><	><	$>\!\!<$	$>\!\!<$	>><	$>\!\!<$	$\times$	$>\!\!<$	63.0	
	37.1	17.7	1.3		[							100.0	1.

310

#U.S. GPO 1984 741-348/201

# SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

- 7 - ST	WHI YING FIFT FT	73-F2	YEARS	JUL MONTH
		A THE G		1) 9 HOURS (6.5 T :

SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N	9.8	4.5	.6									10.3	٥,٥
HNE	2.5	1.3	1.0									4.7	7.8
NE	2.3	1.9	3			l						4.5	3.6
ENE	1.2	. 5										₹.€	3.5
ŧ	3.5	3.2	1.5									8.4	4.7
ESE	2.7	1.2	3									5.2	1,9
ŞE	100	1.0	.3							I		3.2	3.5
SSE	į.	- 5										1.3	3.3
\$	1.0	2.3	1.5	. 3								4.5	5,9
SSW	1.7	1.5	. 3						I	I		3.2	4.2
\$W	1.3	1.3	- 3			<u> </u>			<u> </u>			2."	3.9
WSW	3.2	1.3	1.3									5 . 5	4.1
w	2.7	3.2	1.7						l		l	7	4.4
WWW	2.5	4.2				L						7.4	•
NW	1.5	4 . 3	1.3									P . 1	4.6
NHW	2.3	3. ?	2.3				• 3				L	8,7	6.0
VARBL													
CALM	$\supset <$	> <	$\supset <$	$\supset <$	> <	$\supset <$	$\geq <$	$>\!\!<$	$\supset <$	$>\!\!<$	$\geq <$	11.€	
	36.5	38.4	12.9	. 3			. 3					100.2	3.0

TOTAL NUMBER OF OSSERVATIONS

310

#U.S. GPO 1984-741-348/201

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

+ 7 5 4 1	WHITING FIELD, FL	73-52	YEARS	JUL
		ALL HEATHER		17
				13000 (\$10.00)

SPEED (KNTS) DIR.	1.3	4-6	7 - 10	77 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N	2.5	3.0	1.7									7.7	4.8
MME	1.	3.2	• 5									5.2	4.7
ME	1.5	*	• 3	. 3								202	
ENE	1.	3.6	.6									5.2	4.5
E	1.0	3.5	1.5									7 - 1	5.1
626		2.3	1.									3.2	5.9
\$E	1.3	1.0	1.5									4.7	4.9
388	1.6	1.3	2.3	. 3								6.1	6.1
8	7.0	<b>4.</b> 2	1.3	- 5								7.7	5.0
SSW	1."	3.2	- 3	1.0								5.5	6.1
SW	2.3	2.5	1.0									5.8	4.7
wsw		2.3	1.3	. 5								4.2	6.7
w	1.3	3 . 5	• 3									5 • *	4.3
WHW	1.5	1.3	• Ó									3.5	4.5
NW	1.7	5.7	• ?									5.5	4.4
NWW	', , '	3. 3	1.0					<u> </u>				10.3	4.6
VARM												I	
CALM	$\supset \!\!\!\! <$	$\times$	> <	>>	$\times$	> <	> <	$\supset <$	> <	><	>><	9.7	
	25.5	46.1	15.8	2.9								100.5	4.6

TOTAL NUMBER OF OBSERVATIONS

310

**SMOS** 

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION .	SHATTING FIELD, FL.	7.2 + 6.7 YEARS	J.J.
		EATHER CARE	NOWES CL 8 Y

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
×	1.0	10.5	1.5	- 3								3,0	6.0
NNE	1.7	- 6.5	1.3									2.2	5.2
NE	- 3	1.1										1.3	5.3
ENE	3	- 6	- 5									1.0	5.4
	1.6	1.7	3			ļ			<u></u> _			3.0	4.2
ESE		1.7										2.3	۹,9
SE	1.0	2.3	1.0						ļ		L	4.2	5.1
SSE		4.2	تعت	. 3								7.1	6.0
3	1.0	7.1	10.	1.6					<u> </u>			21.5	7.2
SSW_		5.5	3.0	1.5	3							16.1	7.8
SW			2.3	.6								5.2	7.5
W\$W		2.3	1.				ļ					4.5	5.1
w	100	3.2	1.6									6.5	5.6
WNW	2.0	2.3	1.7									5.7	4.9
NW		100	2.6									4.5	6.1
NNW	• 5	2.3	1.7	• 3								4.5	5.7
VARBL													
CALM	$\searrow <$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$\geq \leq$	$>\!\!<$	><	$\geq \leq$	$\geq <$	$\geq \leq$	4.5	
	15.2	41.0	36.1	4.2	3							100.9	6.0

TOTAL NUMBER OF OSSERVATIONS

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

Q 7 Q 4 1	MHITING FIELD, FL	73~6/	JUL HONTH
		ALL WEATHER	1.5
		CLASS.	HOURS (L.S T

SPEED (KNTS) DIR.	1.3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.0	2.3	1.									5.7	4.9
NNE	1	6				L					_	100	2.6
NE		3	. 3			L	L					1.7	5.0
BAE		• t										1.0	_ 3.7
E	3.7	le 5	- 5									4.5	4.1
ESE	1.5	1.										2.6	4.0
SE		1.9	4.5	. 3								3.5	5.6
\$5E	1 7	3.7	• 7									5.2	4.4
8	2	11.	3.5									18.7	4.9
SSW	1.7	7.1	3.4									12.5	5.4
SW	1.3	5 · 4	1.6	. 3								9.7	5.3
WSW	1.0	3.7	1.5	• ?				Ι .	I			4.6	5.1
w	1.7	3,5	1.6									6.5	4 . 5
WHW	1.3	4.3	4.	• 6				[ ·				2.9	6.
NW	1.7	2.3										3.9	5.1
NWW	1.0	2.3		• 3								4.5	4.00
VAROL												I	
CALM	$\boxtimes$	$\times$	$\supset \subset$	$\supset \subset$	$>\!\!<$	> <	><	$\supset <$	$\supset <$	><	> <	10.0	
	22.6	57.€	10.5	1.0				1				100.0	4.4

TOTAL NUMBER OF OSSERVATIONS 7.1.0

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#U.S GPO 1984 741 348:201

# SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION HAME	73++2	YEARS	#DATH
		ALL NEATHER		HOURS (L S T
		CÓNBITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	49 - 55	≥ 56	*	MEAN WIND SPEED
N		. 3	a Ł									3.1	1.2
NNE		1.0										1	7.0
NE	5.7				Ī					Ĺ		2.3	1.9
ENE	. 1.3	. 3									<u> </u>	100	3.2
E	3.6	1.6	• 1							<u> </u>		4.5	3.0
ESE	. (	نا و ا								<u> </u>		10"	3.5
SE		• 3							Ĺ			7.3	7.3
SSE	أغوذ	• :										1.5	2.7
5		2.₹										7 . 4	2.4
SSW	, ,	2.3	• 7									2.0	! • :
sw		2.5	• 7							L		9.0	. 1
WSW	,	3.3	• 5									5.1	
w	•	4.1										10.4	3.5
WNW	1.	1.7	• 6					<u> </u>				3.5	4 . 5
NW	1											3	2.3
NNW	î • f	1.5							<u>.</u>			4.2	5.5
VARBL													·
CALM	$\searrow$	$>\!\!<$	$\geq \leq$	$>\!\!<$	$\geq \leq$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	27.1	
	45.2	24.5	2.0									1::0.7	2.

TOTAL NUMBER OF OBSERVATIONS

SMOS

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## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

FTATION	PHILITAN FIELD, FO	73+92	YEARS	J. L.
		ALL MEATHED	<del></del>	MONES (LST)
		COMDITION		

SPEED (KNTS) DIR.	1.3	4-4	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	44 - 55	≥ 56	*	MEAN WIND SPEED
N	3,1	2.3	. 6.	• 1								6.1	3.8
NNE	1.7	1.0	g at									3.1	3.7
NE	1.5	, ;										2.0	3.4
ENE	1.	1.1	• .									2.5	3.4
E	7.	7.1	• 3							Ţ		5.1	4.2
ESE	l i e	1.2										3.0	3.9
\$4	1.0%	1.5	.4	_• ℃								* 3	8.0
SSE		1.5	• ŧ	• 1							Į –	4.7	5.3
\$	0.1	3.4	?.	. 3								7.0	E . 4
SSW	1.	2.7	1.7	• 2	• 12							6.5	5.4
sw	1.1	2.1	7	• 1								4	4,4
WSW	? . 1	2.7	. 7	• 1			}					3	4.4
w	7.1	3.5	7								I	7.3	4.1
WWW	1.0	1.7	• 5	• 1		<u> </u>						4.2	4.0
NW	1.4	1.										4 . 1	4.3
NNW	7			•1			• 7		Ţ			5.1	4.3
VARSL	ļ								I				
CALM	$\bowtie$	$\times$	$\times$	$>\!\!<$	$\times$	$\boxtimes$	> <	> <	$\geq \leq$	> <	> <	26.0	
	31.3	30.4	11.7	1.2	.0							פיסרג	3.2

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# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION .	CHITTME FIELD. FL	13-43	YEARS	AUG
		ALL SEATHES		MOVES (L S Y )
		CRADITION	<del></del>	

SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 . 21	22 · 27	29 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
×		1.2										9.0	2.3
NNE	3.2	. 3	L									3.:	2.3
NE	2.9	1.3	3_		<u> </u>							4.5	3.1
ENE	2.6	2.3	. 3							<u> </u>		5	7.6
E	5.2	1.3										6.5	2.6
ESE	100				<u> </u>	<u> </u>						2.5	2.5
SE	المعد											103	2.5
\$\$E												•!	5.5
\$	10.7									<u> </u>		1.0	2.3
35W	1.0				<u> </u>							1.1	3.0
	•		- 2									3.1	2.6
WSW	107								<u> </u>			2.5	₹•€
w	3.4	1.2										5.5	2.6
WNW	1.4				<b></b>	Ĺ			L	L		104	2.2
NW					<b>!</b>							1.7	•,5
NHW	7.2	1.0	L						L			4.7	2.5
VARSL						L			<u> </u>				
CALM	$>\!\!<$	$\geq \!$	$\times$	$\geq \leq$	$\geq \leq$	$\geq \!$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	47.7	
	96.7	11.0	1.0							<u> </u>		100.0	1.4

TOTAL HUMBER OF OBSERVATIONS 515

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# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	2011 11 15 FIELD: FL 73-82	YEARG	AUA nemen
	ALL WEATHER		MOUNE (LET.
	CORDITION		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
Ņ	7.3	2, €				<u> </u>						9.7	7.4
NNE	5 . 2	1.3										6.5	2.5
NE	7.5	1.5			L	I						7.1	2.7
ENE	1.7	2.6										3.9	3.7
£	1.0	1.3										5.2	2.8
ESE	1.0	1.3										2.3	3.6
\$4	2 •	. 3	,,									1.3	5.3
\$\$£	• *											3.	2.0
8												1.0	3.7
SSW		. 3										• 4	3.5
SW	1.2											1.3	2.7
WSW	1.0											1.3	2.3
w	1.5	. 3										1.3	2.3
WHW	1.3											1.3	2.3
NW	2.2	. 3										1.3	8.5
NNW	2.9	5										3.3	2.2
VARBL													
CALM	$\supset \subset$	$>\!\!<$	$\times$	> <	$\supset \subset$	$\supset <$	$\supset \subset$	><	$\supset \subset$	> <	$\geq \leq$	12.6	
	34.2	12.6										120.0	1.3

TOTAL NUMBER OF DESERVATIONS

310

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	ANTILLE FIELD. FL.	73-82	YEARS	AUG.
	<del></del>	ALL WEATHER		MOURS CL S T
		COMBITION		

SPEED (KNTS) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N	5.3	2.3										9."	2.7
NNE	3,5	1.3										4.5	2.0
NE	20.1	2.3										6.4	2.
ENE	4.2	1.0							L			to1	2.
E	5.2	3.2	a t						I			9.2	3,
ESE	1.7	. 3										2.3	2.
SE													
SSE	. 5	ه د										1.3	3.
5		1.0	4.3									1.6	4
SSW	- 5				i							• 4.	2.
SW												• 3	4.
wsw												1.2	3.
w	٤.	1.0										1.5	3.
WNW	1.0	- 3										1.3	2.
NW		• 5										1.7	. •
NNW	3.5	. 3			1			1				4.:	2.
VARBL												1	
CALM	><	$>\!\!<$	$\nearrow$	> <	> <		> <		$\supset <$	><	><	47.1	
	35.3	16.1	1.7									100.0	1.

TOTAL NUMBER OF OBSERVATIONS

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#U.S. GPO 1984 741 348/201

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

27841	WHITING FIELD, FL	73-97		AU5
STATION	STATION MAME		YEARS	WONTH
		ALL WEATHER		39
		CLASS	<del></del>	HOURS (L S T :

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 · 47	40 - 55	≥56	*	MEAN WIND SPEED
N	2.0	3.2										5.5	3.4
HME	4 . 2	1.6	.3									6.;	3.1
NE	2.3	C-	- 3	Ĺ								4.5	4.2
ENE	7.5	1.7	. 6									4.5	• . 1
ŧ		7.4	1.3									15.2	3,0
tse	1.7	3.5	• 3					L				5.4	4.0
\$8	2.3	2.6	• 3									5.7	3.8
\$58	1.7	7.9								L	L	4.5	3.5
\$	2.7	1.3	<u> </u>			L	<u> </u>					2.0	4.1
SSW		1.7				L		<u> </u>	<u>L</u> .			1.5	3.4
_\$W	- 5	1.5				L		L		<u>L</u>	l	1.5	4.4
WSW	1.4	1.3		• 3					L		L	3.2	4.3
w	3.2	2.3							<u> </u>	<u> </u>		5."	3.4
WNW	1.0	2.5			<u> </u>	<u> </u>				L		3.5	4.2
NW	2.3	2.9	- 3							ļ		5.5	3.7
NNW	7.9	2.6	, 7						L		ļ	5.4	3.6
VARSL											<u> </u>		
CALM	$\boxtimes$	$>\!\!<$	$>\!\!<$	><	><	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$>\!\!<$	$\geq \leq$	15.5	
	36.7	41.3	4.2	. 3								100.0	3.2

TOTAL NUMBER OF OSSERVATIONS

315

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	WHITING FIFE D. FL.	<u> </u>	YEARS	A <u></u>
<b></b>		ALL WEATHER		17 mount (L 0 T -

SPEED (KNTS) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥\$4	•	MEAN WIND SPEED
N	3.2	3a 5	A	Ī								7,4	4.3
NHE		1.7		.3								2.3	5.2
NE	3.9	2.4										7.1	3.7
ENE	1.5	3.2	1.3									6.1	4.5
E	2.0	3.7	2 . 3						1			0.3	4,7
ESE	, is	2.2	1.7						]			5.2	5.5
SE	1.5	1.5	2.3		1							5.2	5.8
\$52	1.0	3.2	1.5					_	<u> </u>			2.5	5.7
\$	1.0	4.2	2.	• 3					1			Y.4	5.5
SSW	1.3	1.3	1 .									3.5	5.1
sw		1.5	ة ف	. 3								2.3	<b></b> 0
wsw	. 6	2.7	. 3	• 3								4.2	5.2
w	1.7	204	• 3						<b>†</b>	1		4.2	3.8
www	1.3	1.7	.6									3.1	4.3
NW	1.5	3.2	• ti					1				9."	4.2
NWW	2.0	4.4	1.									8.7	4.7
VARBL										1		1	
CALM	$\supset \subset$	$>\!\!<$	$>\!\!<$	$\supset \!$	> <	><	$\times$	$\supset <$	$\supset \subset$	$\supset \subset$	> <	3.4	
	27.7	45.5	17.1	1.2					1			100.2	4.3

TOTAL NUMBER OF OBSERVATIONS

310

**SMO**5

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

57341	WHITING FIELD, FL	73-0:		AU5
STATION	STATION HAME	· · · · · · · · · · · · · · · · · · ·	YEARS	40470
		ALL WEATHER		1:
		CLASS		HOURS (L S T )

SPEED (ENTS) DIR.	1.3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	<b>3</b> · 33	24 - 40	41 - 47	40 - 55	≥36		MEAN WIND SPEED
N	3.3	400				İ			Ì.			7.4	4.7
NNE		2 a 5	ė						I		L	3.9	5.3
NE		10.2										1.5	3.7
INE	1.6	3.2	.6	.3								5 . €	4.9
ŧ	la.	2.0	1.4									5.5	5.2
282	1.0	1.6	9.5	. 3				l		<u> </u>		3.5	5.0
SE	1.	2,3	1.5									4.6	5.7
352		2.3	3.7	• 3								8.5	5.6
8	3.2	3,1	7,7	. 6								19.7	5.9
\$5W	1.5	2.9	4.2	. 3				L		I		9.7	4.2
\$W	. 6	2.3	1.0									5.5	5.9
WSW	I	2.0	3						I	]		2.4	4.0
w	2.5	2.9	. 5	.6								6.5	4.9
WHW	1.7	1.5										2.9	3.6
NW	1.3	2. 7										4.5	4.6
NWW	2.6	1.5	• ?	1					1			4.5	3,4
VARSL													
CALM	$\bowtie$	$\times$	$\supset \!$	$\times$	$\boxtimes$	><	$\boxtimes$	$\supset <$	$\times$	$\supset <$	> <	8.€	
	21.9	46.1	24.5	2.6								100.0	5.6

TOTAL NUMBER OF OSSERVATIONS 210

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION .	WHITING FIELD. FL STATES NAME	73-07	YEAM	AUS south
		ALL MEATHED	<del></del>	15 mount (C. 8 Y.)
		COMPITION	<del></del>	

SPEED (KNTS) DIR.	1.3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	46 - 55	≥56	*	MEAN WIND SPEED
N	1.5	2.5										9.2	3.5
NNE	1.3	1.3					L					7.0	
NE	1.0	7	3									2.6	2.1
ENE	3.5	3.2					I		l			7.4	3 . !
ŧ	2.3	3.2										3.9	4,
ESE	2.3	1.0							1			3.2	2.0
SE	3	1.5	• •									3.5	3.
SSE	100	1.6										3.5	٠.
S	3.2	11.5	1.					[ - <b>-</b>				15.0	4.1
SSW	7.3	8.4	2.5									13.5	5.
SW	1.7	4.	• 3									0.1	4.
wsw	2.3	1.9										4.2	3.
w	3.2	1. ^			1				Ī			5.2	3.
WNW	1.5	3	• 3	1								2.3	3.
NW	1.0	4,	. 1									2.5	7.
NNW	2.3	1.5	•5						<u> </u>	1		4.5	4 .
VARBL			- <del></del> -									1	
CALM	$\supset <$	$\times$	$\times$	> <	>	$\times$	$\supset <$	>>	$\supset <$	> <	> <	12.9	
	34.2	45.5	7.4			1						100.0	3.

310

#US GPO 1984 741 348 -201

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

97541	AMITING FIELD, FL	73-82		AUS
STATION	STATION HAME		YEARS	WONTH
		ALL WEATHER		21
		CLASS		HOURS (LS T

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56		MEAN WIND SPEED
N	6.1	1.0										7.:	2.5
NNE	3.5	1.0										4 . 0	7.0
NE	5.2	1.3	۲.								L	4.8	3.4
ENE	• •	• 6							l			2.5	7.1
E	6.5	1.9										· · · · ·	2.7
ese	7.7	• ₹	• 3				·				<u> </u>	3.7	2.4
\$2	3.0	. , 3	• 🔻							<u> </u>	ļ	1.¢	3.0
SSE	• 2	a !:	. 3						ļ <u> </u>			1.5	4.5
	200	1.3										3.5	3.0
\$5W	7.0	• 6										3.5	2.8
SW	3.0	1.0										4	2.5
W\$W	2.9	1.7		. 3	ļ							5.2	3.8
w	2.3				<b></b> _	• •						2.4	4.5
WNW	1.2									ļ		1.	2.0
NW					<u> </u>							• !	<u>5,0</u>
NNW		3										3.7	2.3
VARSL					Ļ					Ļ			
CALM	><	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	><	$>\!\!<$	$>\!\!<$	$>\!\!<$	40.€	
	45.5	12.5	1.3	. 3								126.0	1.5

TOTAL NUMBER OF OSSERVATIONS

RUS GPO 1984 741 348. 201

# SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	لمتعد	iii fie	STATON	I MARK	<del></del>		11-62	•		YEARS				U.C.
		_				ALL WE	ATHE:							
		_				cor	IDITION							
	SPEED (KNTS) DIR.	1 - 3	4-4	7 - 1Q	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	40 - 55	≥ 56	*	MEAN WIND SPEED
	N	9.3	2.5	•1	<del></del>		<del>                                     </del>	<del>                                     </del>	<del> </del>	<del>                                     </del>	<del> </del>		7.5	3.1
	MME	2.9	1.3	•1	• 0		1						4.4	3.3
	NE	3.3	la ĉ	2									5.4	3.3
	ENE	2.4	2.4	4									5.2	3.7
	E.	4.0	3.1	2									8.1	3 • 7
	ESE	107	1.5							<u> </u>			3.5	7.7
	\$#	: 2	1.				<u> </u>	<u></u>					7.0	4 , 5
	SSE	1	100		• -								7.1	4.8
	5		3.9	1.6		ļ	<b></b>	L		L			6.9	5.0
	SSW	103	107			<b> </b>	<del> </del>		ļ	<u> </u>	<b></b>		4.2	4.7
		11 1					1	1	ı	1	. 1		1	

	5.9 5.
	4.2 4.
	3.1 4.
	2.4
	4.2 3.
	2.3 3.
	7.7
	4,0 3,
$\bigcirc$	28.6
	120.0 2
	MARK OF CORPUS TIONS

#US GPO 1984 741 348: 201

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATEM MARK	/ 3 = 8 0 YEARS	7, E D
	AL S. M.	ATHER	NOVES (L S T
		MALY 104	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	7.7	5.3	, 7	• ?								13.7	3.5
NNE	3.3	7.1	, 7									5.7	4.6
NE		2.1	•									6.7	3.6
ENE	7	5.1										7.7	4.4
E	5.7	2.7	1.0									10.3	3.5
283	7	• 7										1.3	3.5
SE	1.7	. 7										2.3	7.5
\$58	• (	ز و					, ,					1.0	12.3
\$												.7	1.0
SSW	- 3	7	7									1.3	5.0
SW												• :	7.0
W\$W	1.7	1										7.7	_ ? • ;
<b>W</b>	3.3											7.5	2.3
WNW	7											7	2.5
NW	1.3	7										2.3	3.4
MMM	4.3	2.0										6.	3.4
VARM													
CALM	><	$>\!\!<$	> <	$>\!\!<$	$>\!\!<$	><	$>\!\!<$	$\times$	$\times$	$\times$	>>	34.7	
	37.0	24 . 3	2.3	. 3								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS

300

#US GP0 1984 741 348:201

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION HAME	73-60	YEARS	SED MONTH
	ALL	EAST HES	<del></del>	NOURS (LST.)
		5ND; 7:0N		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N	3	6 7	2.0									16 . 7	3.8
NNE	- 3	2.2	,						L			4	7.0
NE	2.3	3.3	,									5.	4.
ENE	4.3	4.7	7		L							8.5	4.
ŧ	3.3	_fi a C	7								L	13.5	h.
tst	,		. 3			ĺ			L	L	l	1.7	4.
SE		7										1.3	3.
SSE	7								I			, 7	?.
5	•	_ •			3	l				l	l	1.3	6.
55W			,		L	i			l				7.
SW													4 .
WSW	1.7				I							1.7	_ 3.
w	7.3											3.7	2.
WHW	7											. 7	7.
NW	2.7											3.3	3.
NHW	2.3	_1.7										3.7	2.
YARBL													
CALM	$\supset \subset$	$>\!\!<$	$>\!\!<$	> <	><	><	><	><	$\times$	><	$\geq \leq$	73.0	
	33.7	_25.0	6.7		. 3							100.0	2.

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

541	SHITING FILLO. FL	77.67	<u> </u>
STATION .	STATION RABE	ALL NEATHER	O A MOURE (L S T
		Chastriba	<del></del>

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
×	.; , 1	2. ~	•									15.7	7.4
NNE	5.2	2.3	. 7									207	3.3
NE	1 1 3	3.7	107									?•	4.1
ENE	2,3	7.3				l				L		13.7	4.7
E	2.4	100	, ,									7.0	400
ese	1.07		7			<u> </u>		<u> </u>				2.7	3,6
SE	2.6										<u></u>	1.3	2.6
SSE		. 3										, 7	₹.:
\$	1.7				. , ,							i • 7	7,4
\$\$W												. 7	€ • "
SW	7											1	3.7
WSW	Υ												<u>:•·</u>
W	,	, 7	. 3									107	4,
WWW	7											1.0	3.3
NW	i a	1.7										3.2	3.3
NNW	7, 7	1.7				,						4.7	_ 5.1
VARBL													
CALM	$\times$	$>\!\!<$	$\times$	$\times$	$\times$	$>\!\!<$	$>\!\!<$	><	$>\!\!<$	><	><	76 • 1	
	36.0	20.3	7.7		- 3							100.0	J.C

TOTAL NUMBER OF OSSERVATIONS

SMOS

# SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	77=3	YEARS	<del>_</del>	1, C C
	- VL	LATHE CLASS			MOURE (L S T
	-	COMPLTION			

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N		1. 3	1.									iner	4,-
NNE	, ,	1.	2.										4.2
NE		1.3	2.3										5.0
ENE		Γ. ζ		. 7								12.5	7. • 1.
E		1E. 7	3.7				I					2.0	4.1
ESE	,	1.3	1 1	, 7						i		7.	7.5
SE		1.6	1.				Ĭ					9.7	4.0
\$SE	?	1	1										5.6
\$		2										1	3.5
SSW		1	, 7	• "								7,	¥ . **
SW													
WSW		1				L						1.	4,7
w		. 7	. 7									1.	5.3
WNW	1.	• 7	7		_ ,							2.	6
NW		,											
NNW		7. 7	1.0										4.4
VARSL													
CALM		$\times$	$\searrow$	><	$\geq <$	$\triangleright <$	$\times$	><	><	><	><		
	33.0	24.3	20.3	1.7	. 3							: '0.	4.5

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

ä.

# SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1904	ANTITION FIELD. FL	13-12		588
STATION	STATION HABE		YEARS	HONTH
		ALL REATHER		10
		CLA96		HOURE (L S T
		C98917108		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		7 . 9	4 . ?	1.								11.7	6.3
NNE	1.7	2.3	1	7								5.*	: . 6
NE		3.3	1.7	.7								7.7	5 , 4
ENE	7. 7	3.7	2.3	, 7								10.3	5,1
ŧ	3.7	5.7	1.7	, 7								10.7	5.3
ESE	1.7	3.3	1."									6.0	4.9
SE		2.3	1.7	• 7			_					5.0	5.6
SSE	1.7	2.3	1.7	• 3								5.7	5.3
5	i e	.3.0	2.0									7.0	5.5
SSW	1.	1.	1,3	• ?	• 3							4.7	7.0
SW	• '	• 1	1.3	. 3								2.7	t.6
WSW		1.5	. ?	• 3								?•	9.5
w		2.3	• ,									4.5	4.8
WNW	1.0	1	2.5									4.0	5.4
NW	7		• ?									1.7	6
NNW	1.7	3. /	2.									7.3	5.3
VARBL													
CALM	$\boxtimes$	$\supset \subset$	$\times$	$>\!\!<$	$\supset <$	><	$>\!\!<$	> <	><	$\supset <$	><	4.0	
	23.7	4C - 3	26.7	4.3	.3							170.7	5.4

TOTAL NUMBER OF OSSERVATIONS 300

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	ARINING FIELD. FL STATES HARE	73 m 3 / YEARS	SEP HORTH
	ak.i	GLASS CLASS	MODES (L 6 T -
		COMPLETION	<del></del>

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥ 54	*	MEAN WIND SPEED
N	- 3	5. 7	5.7	. 3								14.7	6.0
NNE	1.0	3.3	1.7									6.0	۲ و ۲
NE	7	2.3	3.7	. 3		ļ						6.3	6,9
ENE	,	3.7	1.3	. 3								6.0	5.4
£	. 7	3.3	2.									6.3	4.6
ESE	. 7	, ,	1.7						L			7.7	5,9
SE	7	1.5	1.7									3.7	5.9
SSE	,		• 7									4.7	3,0
8	1.3	3.7	6.3	. 7	. 3		[					12.0	7.3
SSW		4.7	4 . 3	. 7								7.7	7.3
5W		1.	2.3	3		I	I					4.0	7.6
wsw	7	. 7	1.	. 3								2.7	6,9
w	1.7	1,7	9.7									3.7	4 . 5
WNW	1.	1.7	7	• 3								3.3	4.5
NW	1	1.7	. 7	. 3								3.7	5.2
NNW	1.7	7, 1	1.*									5.7	4.8
VARBL													
CALM	$\supset <$	> <	$>\!\!<$	$\supset <$	><	$\supset <$	$\supset <$	> <	$\supset <$	><	> <	4.0	
	15.0	41.7	34.5	3.7	.7							130.2	5.6

OTAL NUMBER OF OBSERVATIONS

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# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	PHITING FIELD, FL	77-52	YEARS	SEF
	A	CLASS CLASS		1 A HOURS (LST)
		COMBITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	3.7	g • 0	*	• 3								12.3	4.0
NNE	u . 3	1.7										E o C	7.3
NE	, ,	1.7	1									6.3	4.0
ENE	2.7	1.3	• 3									3.3	3.6
E	. 7	i i	1.5		•							5	5.7
ESE		1.7		. 7					<u> </u>	l		4.7	5 • €
31	2.3	?										3.0	3.3
358	• 7	• 7										1.3	3.0
8	₹•0	9.7	1.									12.7	4 . 4
55W	3.7	4.7	• 7				• 3					6.7	5.7
SW	7	4. ?	1.7									7.3	4.6
W\$W	2.	2.3	.7										4 . A
w	7.0	. 7	. 7									4.0	3.6
WNW	1.	1.0										₹.0	3.2
NW	1.7	1.0	7									2.7	4.1
MWW	٧. ١	1.7	• 3									6.3	3.5
VARBL													
CALM	$\supset \subset$	$\times$	$\times$	$\times$	$\times$	$\times$	> <	> <	$\times$	$\supset <$	><	12.0	
	35.3	43.2	7.7	1.3	• .		3					100.0	3.0

TOTAL NUMBER OF OSSERVATIONS

300

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**常**U.S. GPO 1984 741 348: 201

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1241	MITTING FIFED. FL	77-83		SEP
STATION	SYATION NAME		YEARS	NTHON
		ALL SEATHER		21
	<del> </del>	CLASO		HOURS (L.S T. )
		CORPITION		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	3.0	3.3	. 3									11.7	3 . 3
NNE	3.4	2.3	1.3									6,3	4.0
NE	2.7	1.6										3.7	3.2
ENE	₹	4.7	1.									8.7	4.1
E	2.2	2.3	. 1									5.7	4.0
ESE	1.7	1.	. 7		. ?							4	5.1
SE	1.5	. 7										2.0	5.3
SSE	. 7	. 3										. 7	3 . C
\$	1.3	. 3										1.7	2.4
SSW	• 7	_ 7										1.3	3.6
SW	1.											1.5	2 . A
WSW	2.7											3.00	2,7
w	7	1.7										6.5	2.7
WNW		3										1.0	3.7
NW		1.0										3.5	5.0
NHW	• .	2.3	;									5.7	3,9
VARBL													
CALM		><	$>\!\!<$	X	> <	><	>>	><	><	$\supset <$	> <	23.7	
	37.7	22.1	1.7		.3			}				120.0	2.4

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#U .. GPO 1984 741 348, 201

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7 7 5 44 1 STAYION	STATES FIFLE FL. STATES MARK	73-32 VIAME	रहूँ ह सर्जन
	ALL	WEATHER SLAME	MOURE (LET
		COMOLYTICAL	

SPEED (KNTS) DIR.	1 . 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥\$6	*	MEAN WIND SPEED
N	5.7	5 5	1.0	. 3								13.4	4 . 3
NNE	2.3	2.4	1.	• 1								6.4	1
NE	7.4	2.6	1 . 7	1								6.1	4.6
ENE	2.7	4.5	7.5	• • • • • • • • • • • • • • • • • • • •								8 . R	4.7
E	3.5	4.7	1.0	. 1	.0							9,4	4.6
ese	3.5	1.2	,	. 1								3.7	4.9
SE	1.5	1.0	• 5	• □						I		2.7	4.7
SSE	•	1.	9.6				• 7					2.2	> 4
\$	1.1	2.2	1.3									4.5	5.5
SSW		1.4	1.2									3.4	6.3
SW		1.6	7									1 :.2	5.4
wsw	1.6	• 3	7	1								2.7	4.4
w	2.2	7	2									3.5	7.5
WNW		7		7								1.5	4.6
NW	1.5	. 3	. 3									2.0	3.5
NHW	2.3	2. "	6			. 3						4.7	4.3
VARSL													
CALM	$\bigvee$	$\times$	$\times$	$\times$	><	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$\supset <$	$\geq <$	19.2	
	32.0	33.1	13.7	1.5	.3	• 7	- 1					100 m	3.7

TOTAL NUMBER OF OSSERVATIONS

2450

MUS GPO 1984 741-348/201

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

₹_ <b>a</b> #!	ARTTING FIELD, FL	7.5-3.7		act
STATION	STATION NAME		YEARS	2047#
		ALL MERTHE"		00
		CLASS		HOURS (L.S T.)
		CORDITION		

SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 · 27	26 - 33	34 - 40	41 - 47	49 - 55	≥56	%	MEAN WIND SPEED
N	35.5	9.7	2.3									17.7	4.3
NNE	2.5	3.2	1.0					L				7.1	4.7
NE		3.5	7		Ĭ							5.0	3,9
ENE	2.3	lei						I				3.5	3.2
E	3.2	3.2	. 7									6.2	3.7
888	1.5	1.2										2.9	3.4
SE	1								1			1.3	2.0
SSE									1			•£	3.5
5	i			46								1.6	t.6
SSW												• 3	2.3
SW	,											-7	3.0
WSW	1						<u> </u>					1.5	2.8
W	1.	1.3										2.6	3.0
WWW	1.1	. 3										1.3	3.7
NW	1. 7	1.1	. 2									200	4
NNW	4	5.1		• 3					<u> </u>			11.5	4.1
VARBL	1												
CALM	$\bowtie$	>>	$\supset <$	> <	> <	> <	> <	$\supset <$	$\supset <$		><	31.9	
	31.3	31.0	<b>a</b> . 3	1.0							<u> </u>	1 0.0	2.7

TOTAL NUMBER OF OSSERVATIONS 517

SMOS

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION STATION	WHITING FIELD, FL.	73-67 YEARS	OC*
	AL	L WEATHER	9.7
		CLAM	HOURS CL T 1

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N	10.3	1, 4	7.2									10.3	4.2
NNE	•	3.5	1.4						L			16.0	4.1
NE	2.2	3.5								l		6.5	3.6
ENE	2.3	3.5										5.4	3,6
	1.2	40.2	٦٠٢									9.7	4.1
88E	101	المعل	3									2,9	5.3
\$£	- 6								L			1.C	5.0
388								L	L			• •	2.
												1.0	4.0
35W			نه ن					L				• ?	9.0
\$W	نعب								<u> </u>	L			2.5
W\$W		- 3										• ŧ	1.0
										<u> </u>		100	2.4
WHW										<u> </u>		1.	2.7
NW	لتعال		ļ						<u> </u>			10.	3.3
NNW	4.5	4.0	1.0					<b></b>	ļ	<u></u>	<u></u>	11.0	4.3
VARIA							·						
CALM	><	$>\!\!<$	$>\!\!<$	> <	><	> <	$>\!\!<$	><	><	><	$>\!\!<$	27.1	
	34.5	29.7	3.*	. 3								1000	2.9

310

AUS. GPO 1984 741 348/201

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

5 1 2 9 1	MISTERIA FIELL FL	73-32	OCT HORTH
STATION	TATION MADE	YEARS	WONTH
	sl_L we	ATHER	26
	•	LAGE	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1145	10.3	3.5	<b>a</b> b								25.1	4.3
NME	2.9	2 a b	تمت									7 . 4	3.7
34	3.7	4.5	?									8.7	3.6
ENE	2.0	3. 6	3									5.5	4.1
	. 3	5.2	1.									9.0	4.4
ese	. 5	1.6	1.			I						3.2	5.0
\$£	7											• 1	2.6
SSE										L		. 3	6.0
5												]	
SSW		- £											9.5
SW _													
WSW	7		3							L		1.0	4.7
*	1.00											1.:	3.5
WWW		. 6										•6	5.0
NW	1.0	1.0	7									3.2	3.7
MW	4.5	2. ₺		ع ا								8.1	4.1
VARM													
CALM	$\supset \subset$	$\times\!\!<$	$\times$	><	><	$\triangleright <$	><	><	><	$\supset <$	> <	23.5	
	33.2	33.5	7.7	1.3								1000	3.1

TOTAL NUMBER OF OSSERVATIONS 312

SMOS

JS GPO 1984 741 348

## SURFACE WINDS

## DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

<b>₹7841</b>	WHITTHS FIELD. FL	77+82	06*
STATION	PHAR HOLYATE	YEARS	#84 TH
		ALL HEATHED	39
		CLASS	HOURS (L S T

SPEED (KNTS) DIR.	1 - 3	4-4	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	ie	7.6	5.2	1.3								11.7	7.1
NNE	2.3	7.1	2.4	. 6								12.5	5.7
NE	7.3	2.7	3.5	. 7								9.0	5.4
ENE	1.7	4 . 5	1.9					<u></u>				8.7	5.1
ŧ	4	5.7	5.	. 3								19.7	5. 1
ESE	2.3	5. ^	2.3					<u></u>				10.3	5.1
11		1 3	2.2					<u> </u>		<u></u>		5.:	5.3
SSE	نو_ل		1.5	. 3								1.	7.7
\$		100						<u></u>				1.3	5.3
\$5W			. 7									1.3	4.3
SW	L				L	L						•5	4 .
W\$W		<b>6</b> 64		. 3								2.9	7.2
w	• ,	9.5	a b3									1.7	5 • 2
WNW			1			<u> </u>		ļ				1.3	6.8
NW		10.2	• 5									3.3	5.4
NNW	1.1	1.5	2.4									6.1	5.6
VARSL													
CALM	$>\!\!<$	$>\!\!<$	$\times$	$\times$	$\geq \leq$	$>\!\!<$	$>\!\!<$	$\geq <$	$\geq \!$	$>\!\!<$	$>\!\!<$	3.5	
	17.4	41.9	30.6	4.2								100.7	5.6

TOTAL NUMBER OF OSSERVATIONS

\$U.S. GPO 1984 741 348: 201

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	MINING FIELD FL STATER HARE	73-62 YEARS	ОСТ
		E A THE C	HOURS (L S.T.)
		ADMIT IN	

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.7	205	5 2	1.3	3							14.5	7,2
NNE	3.0	1.7	4.2					L				10.3	5.6
NE		2.6	9.02									7,1	4,7
ENE		3.0	1.6		7			]				5.5	7.0
E	1.7	4.5	2.5									9.4	5.7
ESE	1.0	3.5	2.2						]			7.7	5.3
SE	1.7	1.9	2.3	1.5								6.	6.8
SSE	1.1	2.0	2.3	.6								7.4	9.7
5		1.3	1.3		• !							3.5	7.4
SSW	1.0	1.0	غ و	• Ė								3.2	6.0
SW		. 5	*	. 3								1.5	7,6
W5W			1						1	Ī —		1.6	5.6
w		1.7		. 3								2.7	4.2
WNW		1. 7	• 6	• 3								2.3	3.9
NW	,	• 6	1.1									2.3	7.3
NNW	1.7	3.5	3.4	1.								9.4	5.9
VARSL													
CALM	$\supset \subset$	$>\!\!<$	$\supset \subset$	><	$\times$	$\times$	$\supset <$	><	><	$\geq$	><	4.5	
	12:05	37.4	34.5	5.8	1.0							170.0	6.2

## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

17:41	AMITING FIELD, FL	73-93	501
STATION	SYATION MAME	YEARS	MONTH
	Al	LL WEATHER	NOURS (LST)
		COMPATION	

SPEED (KNTS) DIR.	1 - 3	4 - 4	7 - 10	31 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N		7, 7	9.7	2.3	3							20.5	7.5
NNE	3.0	4	202	1.		I						0.4	5.9
NE	2.3	4.										7.7	4.7
ENE		2.3	1,'			l		I				4.5	5,4
	1 ,	2.3		. 3								4 . *	4.9
ESE	,	3 . 7										5.2	4 . 8
\$4		7 . 7	3 .	• 3								5.4	7.2
352	•	1.3	7.2	. 6	• 3							5.4	3.7
\$		7.4	t , ?	1.7								9.4	7.7
SSW		1.	2.7	. 3							L	4 . !	7.1
SW		7	, 7				L		L	<u> </u>		4.	7.0
W\$W		. 3	7								<u> </u>	1.7	4.3
w	1.	1.5	1.	. 3								3.℃	8.0
WWW		1."	1.					L	L	L		2.3	4.5
NW		1.						L				1.	5.0
MMW	2.0	2.3	5.05	1.3					<u> </u>	I		10.0	7.4
VARBL													
CALM	$\supset <$	><	><	><	$>\!\!<$	><	$\geq \leq$	$>\!\!<$	$\geq \leq$	><	><	3.0	
	13.5	37.4	36.1	2.4	6							130.0	6.4

TOTAL NUMBER OF OSSERVATIONS 310

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	WHITING FIFEE EL STATION MARK	77-27 YEAM	C C T
	ALL X	ATEP	HOURS (L S.Y
	COL	RETTION	

SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	4.5	· . 7										33.5	4.4
NNE	5.2	2.3		3								0 4	3.6
NE	3.2	1.3							L			5.0	3.3
ENE	1.	1.0	9.7			L						2.0	3.6
£	100	_1.2				<u> </u>						3.	3 a R
ese	100	1.7										2.5	3.3
SE	1.5	2.3					[					3.	3.8
SSE	3.5	1.					·					7.5	3.8
5	3.0	5.1			[							10.6	3.7
SSW	3.5	2.2										6.	3.5
SW	3.5	1.3	. 5						L			5.	3.3
wsw	7											2.4	2.3
<b>.</b> w													1.5
WNW	2.0											1.0	4.3
NW	2.0	2.3	• ŧ				I					f 1	2,7
NNW	7.5	2.0.7										11.	4.4
VARBL													
CALM	$\boxtimes$	$\times$	><	><	><	$\supset <$	><			$\geq \leq$	><	12.3	
	43.7	39.7	3.2	خ و			4.3					150.3	_ 3.3

TOTAL NUMBER OF OSSERVATIONS

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	ARTTING FYSIC STATES	Y TEARS	HONYH
		ELAST CLASS	HOURS ILS T
		COMPLYION	

SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 · 40	41 - 47	48 - 55	≥56	•	MEAN WIND SPEED
N		.,	1.									:7,1	4
NNE		2.0	7									5.	7.9
NE	1	3.0					1					• •	5.6
ENE		1.										5.	3 . 3
E	7.1	2.	•								ı	5.5	4 . (
ESE	~ <b>.</b>	- 3										2	3.1
\$.E							İ					1.5	4 .
SSE												1.	2.5
\$												1.0	4 . 5
\$5W												1.	۲,۰
SW_													2.:
WSW	1.0											1."	2.5
w	3.	10:										5.	2.3
WNW			,									2.0	40.
NW	3	10:		7			L					4 . 5	4 . 7
NNW		4 6 5	• ;									7.	4,0
YARSL										[			
CALM	$\searrow$	$\geq <$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	><	$>\!\!<$	$\geq \leq$	$\geq \leq$	><	76.7	
	35.5	79.3	5."	1.0								1:0.	2.4

OTAL NUMBER OF OBSERVATIONS

20404

15. GPO 1984 741 34872

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATEMENT RANK	7.7 - 8 - YEARS	#Oktr
	ALL:	ELANG.	A ! L
		COMBITION	

SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	: ≥56	*	MEAN WIND SPEED
N	. 4	7.0	¥ • "		1								1.2
NNE	_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1.4	1.7	ڏ و								٠,,	- , -
NE	2	7.4	1.1	1								7.	4.4
ENE	`•	2.5	, ,				1						4 . 4
ŧ		401	1.6										4.4
ESE	7	2.1				[	i					4.5	1.5
SE		1.3	1.	- 2								7 • 1	9.00
SSE				. 2									
5	:	1.5							T			3.0	۲ .
SSW													
sw													
WSW		. 11									1	1.	4.5
w	1.3	:		. 1						1	!	7.1	4,
WNW		- 4 4											5.1
NW	1.1	:.1										3.0	4.5
NNW	3.5	•	1.			7	•			7		7	. 1
VARBL							T				1		
CALM	$\supset \subset$	> <	> <	> <	> <	> <	$\supset \subset$	> <		$\supset \subset$	> <	, -,	
	200	35.41	14.0	2.8	. 2		• )			-		1 1	4.1

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	ENTITE FILLS FL	15#AJ	EARS	MONTH.
		CLASS CLASS		HOURS (L.S.T.
		CORBITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56		MEAN WIND SPEED
N	•	?	• •	. 7								17.	4.0
NNE	7 7	2.3										0.0	3.4
NE	1.3	1.	• 1									7,1	4.0
ENE	1.0									<u> </u>		: • !	3.6
E		4 -	. 3	- 7								7.7	4.4
ESE	3.7		• 7	- :						<u> </u>	· 	5.7	4.1
SE			• '					L	<b></b>	L	<u> </u>	7.0	30.7
SSE		1.							<del> </del>	<b> </b>		1.7	5,6
<u> </u>	10:										<del> </del>	2.0	3.2
SSW										ļ		•	h
5W	• '	103							<b></b>		ļ	1.	4,4
WSW	• "7								ļ			1.0	4.7
w		- ?						<u> </u>	ļ	ļ	ļ	2.0	3.7
WNW	ļ	107			. 3					<u> </u>		2.7	<b>F</b> • •
NW		1.						ļ		ļ	ļ	2.	
NNW	7,7	1.7	2.7	1.				ļ	<b></b>	<b></b>	ļ	9.5	. 6
VARBL						Ļ ,	<b>-</b>					<b> </b>	
CALM	><	$>\!\!<$	> <	$>\!\!<$	$>\!\!<$	> <	$\geq \leq$	><	> <	><	$\geq \leq$	11.7	
	27.3	27.3	2.5	2.7	3			]				170.0	3.1

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

87AV18#	STATEM MAIR	*3-32	YEARG	N C Y
		ALT MEATHER		HOURS (L.S.Y.)
		COMBITION	<del></del>	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• •	77	7.3									17.7	4.1
NNE	,	.2.	,						I			6.7	3.7
NE	7.3	1.7										4	3.3
ENE		2.7	• 3									5.5	3.0
	7. 1		1.2	,								5.7	4,7
ESE	1.7	2.1	1.7									5.3	4.7
SE	3.7	. 3										3.0	3.0
SSE	•	1.1										2.0	4.6
\$		3	. 7									1.3	4.3
55W		, ,										1.0	4.7
5W												• 7	2.5
wsw	7											.7	2.
w	1.7	, 7										2.3	2.9
WHW	1.0	7	. 3	. 3								3.3	5.0
NW		1.		1.0								3.3	9.0
WWW		2.3	1	1.7						i		3.5	6.2
VARBL													
CALM	$\supset <$	> <	$\times$	><	> <	><	><	><	$\supset <$	$\supset <$	> <	78.0	
	33.7	25.7	9.0	3.7								100.0	۲.2

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	WHITING FIELD. FL.	73-53	YEARS	NO V
		GLAFATHER		O6 HOURS (LIST.)
		COMPLYION		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	3.3	9. 3	5.	47								19.3	4 . 8
NNE		1.3	7									7.0	3.3
NE	3.0	3.3					L					6.7	4.0
ENE		. 1	• *									4.0	3.5
E	5.5	4.7	1.0									12.0	3.7
ESE	1.7	3. 7	• 7									5.7	4.4
SE	1.7	• 7	• 3	• 3								2.7	5.3
SSE	! • "		1.0									2.0	5.4
\$	- 3	• **	• 3									1.3	5.3
SSW	• '	• 3										.7	3.0
sw			, '									• 3	7.0
WSW	• 7	. 3										1.0	3.3
w	1.	1.3		• ?								2.7	4.8
WNW	1.7	1.	• 7									3.5	4.9
NW	1.			• 3								2.0	5.2
NHW	•	۳ وا	1.7	1.0								7.3	5.9
VARBL													
CALM	$\boxtimes$	>>	$>\!\!<$	$\times$	$\supset \subset$	> <	> <	$\supset <$	$>\!\!<$	$\supset \!\!\! <$	$>\!\!<$	32.6	
	31.2	22.3	11.5	2.7								100.0	3.5

320

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	EMILTING FIELD, FI	73=32 YEARS	NO V
	ALL	HEATMER	HOURS (L.S.Y.)
		COMPATION	

SPEED (KNTS) DIR.	1 - 3	4.4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	46 - 55	≥56	*	MEAN WIND SPEED
N	1.3	5.3	4.2	7								11.3	6.1
NNE	1.7	2.7	2.7	. 7								7.7	5.3
NE	2.7	1.	2.7	. 3								6.7	
ENE	7	3.3	2.3	, 7					_			7.7	5 . 6
E .	4.3	7.0	5.0									16.3	5.1
ESE	7.2	6.7	2.3	7								12.7	5.4
SE	2.3	2.3	1.2									6.7	4.2
SSE		. 7		1.0								2.3	7.5
\$		2.3	1	7								4,7	6.8
SSW													
SW		• 3										1.0	3.3
wsw	, ,	- 3	, ,									1.3	4,5
w		. 7										1.0	9.0
WHW		. 7	. 3									1.3	4 . F
NW	• 7	. 7	1.5	• 7	• 3							3.3	6.4
NNW	.7	1.7	2.3	2.5								7.7	5.8
VARSL													
CALM	>>	>>	>>	><	> <	> <	><	> <	><	$\supset <$	><	9.7	
	20.7	37.2	25.0	7.0								100.0	5.4

TOTAL NUMBER OF OSSERVATIONS

## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	WHITING FIFLIN, FL	73-93	TEARS	MCV HORTH
	ALL	CLASS		MOURS (L.S.T.)
		COMPITION	<del></del>	

SPEED (KNTS) DIR.	1.3	4 - 4	7 - 10	11 - 16	17 - 21	22 - 27	29 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.	2.7	1.	2.7								10.0	7.6
NNE	1.7	2.3	2.7	. 7								7.3	5.3
NE		3	. 7									4.7	4 .
ENE	• 7	3.3	1.3			l			L			5.0	5.
E	1.7	3.5		. 3								5.3	4.
ese		2.3	1.7	, 7		L		<u> </u>	<u> </u>			5.3	5.
SE	,	2.7	7.7							i		7.^	6.
SSF	1.	3,7	7.3	1.7								6.7	7.
\$	3.3	1.7	* , ^	2.3	• 3							11.7	7,
SSW	• 1	1.0	2.3									3.7	6.
SW	. 7			• 3								1.7	3.
WSW	. 7	• 7										1.7	2.
w	ک ہ	. 3		. 3								1.3	6.
WNW	2.2	1.7		. 3		<u></u>		<u></u>				*•3	4.
NW	. 7	1.7	1.7	1.			<u> </u>	<u> </u>				5.0	7.
MMM	7	3.3	6.	2.3					<u> </u>			12.3	7.
VARBL						L							
CALM	><	$>\!\!<$	$>\!\!<$	$\geq \leq$	$>\!\!<$	$\geq \!$	$>\!\!<$	$>\!\!<$	$\geq \leq$	$>\!\!<$	$>\!\!<$	€ • °	
	12.0	33.3	27.7	12.7	3							100.0	5.

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#U.S. GPO 1984 741:348/201

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## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	MITTAG FIELD, FL	73-82	YEARS	NC V
		ALL SEATHER		NOVES (L.S T )
		CONSTTON		

SPEED (KNTS) DIR,	1.3	4 - 4	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.2	6.7	6.	1.3								15.7	7.0
NNE	1.5	5.3	105									7,7	4.9
NE		2.3										4.3	4,2
BNE	2.0	1.3	1.3									4.7	5.3
•	1.7	3										5.7	4.1
ESE	•	1.		• 3								2.*	6.8
\$4		1.7	2.3	. 3								5.0	6.7
558	• •	1.	3	1.7		I						5.3	8.0
8		3.3	7.7	1.0								14.7	7.9
SSW		3.3	3.0		. 7							7.3	6 · 6
sw	,	1.										2.0	5.0
WSW		1.										1.3	5.3
w	,	• •										1.0	4.3
WNW	1.7	1.	. 7									3.3	4,1
NW		1. 7	3.3	1.3								5.5	8.0
NNW	. 7	2.7	3	2.7								10.0	8.2
VARBL												1	
CALM	><	> <	>>	$\times$	> <	$\supset \subset$	> <	$\supset <$	$\supset <$	$\supset \subset$	> <	*•€	
	1.5.3	37.3	3600	9.5	- 3							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 100

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION FIELD, FL.	71+A2	YEARS	N G Y
	<del></del>	ALL REATHER		NOVES (L S T :
			<del></del>	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - <u>2</u> 1	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N	۲,7	4 , 7	4	. 3								14.7	4 . 6
NNE	3.7	2.7	1.0									7 . 3	3.9
NE	1.7	1.0	. 3									3.0	3.8
ENE	1+7	1.7										3.	3.4
€	2.0	1.3		• 3								3.7	4.5
ESE	, 7	1.7										1.3	4 . 5
SE	3.7	1.7	1.3									6.7	4,3
352	1.7	2.3	, 7							Ī		4.7	4 . 4
\$	3.7	5.7	₹•^									11.3	4 . 9
35W	7.7	1.3	• 3									4.3	3.5
5W	3.3	3	7.									4.	2.9
WSW	1.7											1.7	2.6
w	1.3		7.									1 . !	3.5
WNW	. 7	7	. 3									1.3	4 . 8
NW	2.0	1.3	3									3.7	3,9
NNW	4.7	3.7	1.^	, 7								10.0	4.5
VARBL													
CALM	$>\!\!<$	$>\!\!<$	$>\!\!<$	$\times$	$\times$	$>\!\!<$	$\times$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	18.1	
	32.7	29.0	12.0	1.3								100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

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## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7841	ARL SING FIELDS FE			
STATION	STATION MAINS		TEARS	NTHOS
		ALL WEATHER		
		CLASS		HOURS (L.S.T.)
		COMBITION		
		CORDITION		

SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
Z	5. 7	4.7	7. *	1.7								13.7	5.0
NNE	2.5	2.5	. 3									5.2	3.5
NE		2.7										4, *	3.9
ENE	1.7	1. 7										3.3	3.6
ŧ	2.0	2.5						<u> </u>				4.3	4.1
ESE	1.7	1.7	. 7	3				<u> </u>				4.7	4.5
SE		1.7										9.7	5.6
352		,	,						<u> </u>			3.7	4.0
	-	1.7						ļ				3.3	5.1
55W			<u> </u>						<u> </u>			1.7	5.6
_ \$W	7							ļ					3.5
W\$W						<b></b>			ļ	<u> </u>		1.	4.5
				ļ	ļ		<b></b>		<u> </u>			2.7	2.4
WHW						ļ		<del> </del>	ļ			• 7	5.5
NW		بغيا	10		<b></b>			ļ				2.7	5.3
NHW	- 30:		1.	• 3								7.7	4,9
VARBL	<b>_</b>					k ->	<b>—</b>	<b>\</b> -	<b>k</b>			<b>-</b>	
CALM	><	$>\!\!<$	> <	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	30.3	
		23.3	10.1	2.7	•							110.5	3.2

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

J T S - 4 1	- MITTING FIELD. FL STATION HAME	73-82	YEARS	NOV MONTH
	<u> </u>	WEATHER CLASS		MOURS (L S T :
			· · · · · · · · · · · · · · · · · · ·	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56		MEAN WIND SPEED
N	5. § 5	5.5	3.4	• 9								15.5	5.3
NNE	• 1	2.1	1.2	2				L				6.4	4.5
NE	نعنا	2.1	. +	- 2								4.9	4.2
ENE	1.5	1.3	, 7	1								4.3	4.7
	1.	3.5	1.1						<u> </u>			7.8	4.5
ESE	لتوا	2.1	1.	• 3				<u> </u>				5.5	7.1
\$E		1.5	102		• 17							4.0	5,1
\$\$E		1.3	1.0	. 6								4.€	6.3
	1.2	2. 7	2.3	3						L		6	5.4
\$\$W		<u>. 6</u>						<u> </u>		<u> </u>		2.4	5.7
sw		. 4		• "						L		1.4	3.5
WSW	7	<u>. 4</u>									<u> </u>	1.2	3.7
W	1.0	• 5		• 1				ļ		L		1.3	3.8
WNW	• 1	1.r	-3	• ?					,			2.3	5.0
NW	10.	1.0	1.	5						ļ		3.5	6.6
NHW	294	2,3	2.6	1.8								9.7	6.6
VARBL										<b>_</b>		<b></b>	
CALM	><	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$\geq \leq$	><	><	$\geq \leq$	><	18.6	
	27.7	30.7	17.8	5.2	•2							100.3	4.3

TOTAL NUMBER OF OSSERVATIONS

2470

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1.1341	aNITING FIRELL FL	73-72	
STATION	STATION MAISE	YEARS	HORTH
		VEATHE?	
		CLASS	NOVES (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N		2 ه څ	3.7	4.								17.1	5.1
NNE		1	1.	1								4 4	4.7
NE		1				<u> </u>						1."	3.5
ENE		1.5					l					2.5	4 . 8
ŧ	1	3.5	1.			I			l			5.5	5.02
ese		1.6	1.3	3				l				3.2	5.4
SE	1.0		1.3	2.			I					3.5	5.5
35E		1.7	1.1									2.5	4.3
\$	2	1.2	1.5	2.		I			l			3.2	6.8
SSW	1.	6	- 5									3.2	6.5
\$W					3				Ĭ			. 6	10.0
W\$W	2	1.0										2.3	5.3
w	1.3	1.2	3									3.9	4 . 3
WNW	• '	1.3	• 3					}	Ī			2.3	4 . 6
NW	1.0	1.	1.	1.3			I					<b>*•</b> 9	6.1
NNW	3.	3.5	1.0	1.0					I			10.0	5.6
VARBL												I	
CALM	$\boxtimes$	>>	$\times$	><	$\geq <$	><	$\geq <$	$\supset <$	$\geq <$	$\times$	$\times$	26.1	
	23.2	26.8	15.8	5.8	. 3							100.7	4.5

TOTAL NUMBER OF OBSERVATIONS

SMO8

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

" n &	STATION BARE	73-5/	D/C
		REATHER C	NOVE LL S T
		COMPLYING	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	2.7	6.1	4	1.5								14.5	5.1
NNE	4.2	1.5	1.1									7.4	3
ME	1.6		. 7										3.7
ENE	1.6		۲.									2.5	3.6
_ ! _	7.0	3.2	1 0 %									7,4	4.5
ESE	7.5	100	1.7									5.	4.8
SE		1.3	1 • ':	- 5						I		4.0	5.0
\$SE	. ?	1.6	• 4:									2.6	5.9
8		1.6	4	- 13								3.	6.5
\$\$W_	• ?	_ 3	. 6	3								1.6	7.8
SW	. 5	• ;	• 6									1.7	6.5
WSW	ذ و	• 5				I						1.7	<u>7 • 3</u>
w	, 7	1.3	. 3									1.7	5.2
WNW	1.	1.6	. 5	. 3			i					3.9	5.3
NW	3.9	1. 9	1.									5.5	5.8
NHW	2.3	4.5	1."	3	3							£ . 4	5.7
VARBL													
CALM	$\supset \subset$	><	>>	$\times$	>>	><	> <	> <	$\triangleright <$	$>\!\!<$	> <	76.1	
	ृष व	28.7	15.8	4.2	. 3							170.0	3.4

TOTAL NUMBER OF OBSERVATIONS 310

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

<u> </u>	.ni Tika Fills. El	72-67		DEC
STATION	STATION HAME		YEARS	HONTH
	<del> </del>	ALL HEATHET	<del></del>	<u> 76</u>
		CLASSE		HOURS (LST

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥ 56	•	MEAN WIND SPEED
N	- : • 2	6.4	2.5	غه								1: 5	
NNE	. 3	7. 7	1	7								t, r	4.5
NE	1.2		1.3									4.:	5.5
ENE		1.3	. £									7.5	5.1
E	2.5	2.2	las			l						7.1	4 . 5
ESE	2.9	10.7	let	1.3	Ĺ <b>.</b>							7.7	6.0
SE	7.3			• 3		-						3	4.1
SSE		,	• €	• 3								1.3	0.5
5		9 %	1.5		3							3.5	7.5
SSW		. 2	. ?									• 6	7.0
SW	• 1	3.6										1.3	6.3
WSW	ن ،	. 3										1.	2.7
w	1.0	1.6	. 7									3.0	3.€
WNW	7.3	• 5										3.5	4 . 1
NW	1	1. *			. 3	·						3.1	5.6
NNW	1.6	4.00	4.7	• 3								11.0	1 . 2
VARBL													
CALM	$\boxtimes$	$\times$	$\times$	><	><	$\triangleright <$	><	$\geq <$	><	><	><	23.9	
	2001	27.7	17.7	3.9	6							100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 717

SMOS

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## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

.4:	WHITELS FIELD, FL	7.7 ÷ 9.7		orn
STATION	STATION NAME		YEARS	MONTH
	<del></del>	ALL ILATHES		HOURS (LS T
	<del></del>	CORDITION	<del></del>	

SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N		4 . 2	3.0	2.6	.,;							17.7	7,7
NNE		2.3	υ 9-1	• 6								Ų . ·	5.6
NE		100	2.0									5.2	5.9
ENE	1.	1.	7									2.5	3 . 2
E	• •	5.00	• • •									:0.0	5.7
ESE	44 5	10.	2.0									13.7	4.7
SE			7.2									6.1	5.4
SSE	• 1		7.	1.0				Ĺ				2.0	7.1
\$			4.									2.0	5.7
55W		1 . 1	• :									2.	5.2
SW			<u> </u>	ئ و								2.	7.1
W\$W			• `									• ~	5
*			1.									2.6	5.1
WNW	1.7	2.4	1.7									5 • 1	• 3
NW	1.1	1.4	· ·	6								8.	7.4
NNW	1.5	3.5	1.	2.7								7	7.3
VARBL													
CALM	$\supset \subset$	>>	>>	><	$\times$	> <	><	> <	> <	$\times$	$>\!\!<$	4.5	
	24.4	34.2	26.5	7.7	. 3							1 0.	5.8

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

HOITATE	ETATION HAME	77.5	YEARS	MONTH
		M. L. SEA SEE		HOURS (LS T
		COMBITION		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N		4 . 5	2.03	2.5								11	7.5
NNE	1		2.3	, ,									6.3
NE	7.7	1.0	1.00									tel	5.1
ENE		20%	• 3										1
E	lai	1.2	2.5									() 4	1 . 1
ESE		1.7	1.3									4 .	5.7
SE	i a ?	2.9	2.6	1.7								# . 7	7.4
SSE		1.	1.	1.2								., • °	7 . 5
\$		2.0	9.2	1.3	. 7							7.5	7,4
SSW			1.										1.06
SW			1				,					2.2	4.0
wsw		i	1.2	a É								3	7.0
*		1.5	1.6									L ·	5.9
WNW	1.5	1 . 4	1										5.2
WW	10.1	1.5	3.4	1.5				l				7.1	7,5
NNW	1 -	٠, ٠	3.0	1.7	<u> </u>							10.4	7.5
VARBL													
CALM	$\supset <$	$>\!\!<$	$>\!\!<$	><	><	><	><	><	><	><	> <	5.	
	1 7	31.7	32.3	13.4	ı (i		. 3					1 0.3	5.7

TOTAL NUMBER OF OBSERVATIONS

SMOS

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION HAME	17-82	YEARS	DEC DEC
		ALL WELFAES		HOURS CL S T :

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 7	3.5	4 4 €	2.3								11.3	7.6
NNE		4 7	1.3									6.1	5.3
NE	. 3	1.	1.5									2.1	6.1
ENE	•	2.3	1.									3.5	5.5
ŧ		2.	• 5									4.5	4.7
ESE	•	1.3	2.3									4	6.8
36	•	10	7,7	1.6								0.1	6.5
352		1.5	],?	1.								4.5	7.4
5		ر د	5.	٤								12.4	7 • 1
SSW		<b>.</b> U	1.6	a ŧ								3.	7.5
SW			1.	1.5								2.6	7.1
wsw		2.5	1.									3.9	5.5
w_	4.	1.	• ŧ									2.4	t o E
WNW		1.0.5	1.5									4.4	8.4
NW		3.5	2.5	1.						i		5.1	8.8
NNW	1.0	3.9	4.7	2.6	. ;							12.5	7.9
VARBL													
CALM	>>	$\times$	>>	><	><	> <	><	>>	$\supset <$	> <	>><	5.1	
	11.7	37.4	32.4	11.3	. 3					· -		1000	6.5

TOTAL NUMBER OF OSSERVATIONS

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION HAMR	<u> </u>	YEARS	DEC
		MLL DESTREC		HOURS (L.S.T.)
		COMBITION	<del></del>	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 . 27	26 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	4.	9.0	3.5	. 5,								13.1	5.1
NNE	2.0											3.7	3.4
NE	1.7	1.2	5		L							4.5	4.1
ENE	1.0								L			1.5	2.4
E	2.3	1.3										4.9	3.9
ESE	-1	1.2	1.0	. 3								5.8	6.1
\$E	1.7	2.3	1									5.2	5,4
35E	1.5	las	1.6	- 3								4.5	5.7
\$	3.2	2.3	2.5						L			£ 1	3.0
\$5W			1.3			l						4.0	4.5
SW_	3.4	1.3	1."						l			3.5	4.5
wsw		_ 4										1.7	4.7
-	1.5	شه	. 6									2.0	9.1
WNW	2.5	1.0	. 6									4.3	3,7
NW	1.3	1.5										40.	4 9 %
MMM	4.5	2.6	1.9	1.7								13.4	5,4
VARBL													
CALM	$\supset \subset$	$>\!\!<$	$>\!\!<$	$>\!\!<$	> <	><	><	><	$\times$	$\supset \subset$	$\times$	15.5	
	35.0	25.7	19.1	3.2								100.0	4.1

SMOS

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

27741	WHITIVE PIEUS. FL	77-63		DEC
STATION	STATION MARK		YEARS	MONTH
		ALL HEATHER		21
		ÇLA85		MOURS (L S T :

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	29 - 33	34 - 40	41 - 47	49 - 55	≥ 56	*	MEAN WIND SPEED
N		5.1	3.4	• 3	. 3							16.2	5 • 0
NNE	1.1	1.5	ı tı									3.9	4.4
NE	1.1	1.6	• 3									3.2	4.4
ENE	- 4	- 6	. 6						l			1.9	4.7
E	7.4	4,5	1.3						Ĭ .			7.4	4.5
383	1.0	1.9	1.	• 3								4.0	5.0
SE	1.9	1.5	2.0	.6								7.1	6.7
388				. 7					I			1.0	9.3
8	1.0	7.3	1.3	3					I			5.5	5.2
\$5W	. 4.	. 7	1.:									1.9	5.8
SW	3.0		,7					L				1.3	2.3
WSW	, 7	. 5	5									1.6	5
w	2.0	1.5										4.5	3.5
WNW	7	1.3	. 8.									2.5	5.3
NW		• 5	1.7	. 3								2.6	6.3
NNW	1.7	3.0	1.6	1.3								8.:	6.2
YARBL													
CALM	$\supset \subset$	$\times$	$>\!\!<$	$>\!\!<$	> <	$>\!\!<$	$>\!\!<$	$\geq <$	$>\!\!<$	$>\!\!<$	$\geq <$	26.2	
	23.7	28.5	17.2	3.9	• 3							100.0	3.5

TOTAL NUMBER OF DESERVATIONS

309

II

#US. GPO 1984 741 348/201

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	HALTING FIFLD FE STATION NAME	77-27	YEARS	210
		CLASS CLASS		MOVES (L.E.T.)
		COMPAYING		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥ 54	*	MEAN WIND SPEED
N	37	5.2	3.5	1.5	1							14.2	6.3
NNE	3.3	1.3	1.5	- 2					l			5.7	4,5
NE	1.5	1.1	1.	1								3.5	5.0
ENE		104										2.6	4 . 5
ŧ	?	7.3	1.1	. 1								٤.٠	4.7
EZE	2.1	2.3	1.7	. 4								6.4	5.5
SE	7.5	-1.5	9 8						i			5.7	3.5
SSE	3	1.1	1.0	. 5								3.1	4.5
8	1.2	1.3	2	- 5	1							6.1	6.7
ssw				. 2								2.7	6.1
SW	á		4	. 3	- 3		- 1					2.1	7.0
WSW	4	1.0											5.6
*	1.5	1.2	•	• 2								3.5	4.7
WNW	1.2	1.5	a									3.8	5.1
NW	1.2	1.7	1.5	• 6	•							5.7	6.5
MMM	2.3	3. 6	2.5	1.4	1				L			10.0	6.5
VARBL												I	
CALM	$\times$	$\times$	$\times$	$\times$	$\times$	> <	$>\!\!<$	><	$\geq <$	$\supset <$	> <	16.7	
	23.5	30.1	22.2	6.9								100.0	4.5

TOTAL NUMBER OF OSSERVATIONS 2479

SMOS

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7 ( 34 )	ANTITUS FIELD, FL	73-87		ALL
STATION	STATION HAME		YEARS	MONTH
		ALL WEATHER		ALL
	<del> </del>	CLASS		HOURE (L S T

SPEED (KNTS) DIR.	1.3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	2.7	4.6	2.4	٤.	. 3							11.4	5.3
NNE	7.3	2.1	1.0	2								5.6	4.6
NE	3 . 5	100	. 5	1								4.1	4.4
ENE	1.5	1.8	• 6	• 1	• 3							3.5	4.5
t	7.3	2.7	1 • i	1			· ?					6.1	4.5
ESE	1.5	1.6	Ą	- 2	• 0	÷.						4.1	4.9
\$£	1.07	1.4	1.	. 4	<b>,</b> ,	٥						4.2	6.0
85E	Ģ	1.5	$\overline{1} \cdot 1$	• 5	0.	•	• (1)					4.1	6.5
8	1.0	3.0	2	. 9	•	٠						8.7	5.5
SSW	1.2	103	1.5	. 4	•	• *	•					5.0	6.2
5W_	1.0	1.2	• 7	• 3	٦,		• 51					3.1	5.5
WSW	1.1	1.1	5	2	(C)	• 1						2.7	5.0
w	1.3	1.5	• 5	• 2	•	• (						4.1	4.6
WNW	1.0	1.1		• 2	9							2.9	5.1
NW	1.1	1.3	1	, k	• 1							3.5	6.1
NHW	7.7	2.3	1.5	<sub>e</sub> A	•	• •	• 0					7.0	5.C
VARBL													
CALM	$\searrow$	$>\!\!<$	$\times$	><	$>\!\!<$	$\times\!$	$>\!\!<$	$>\!\!<$	><	$\times$	> <	19.1	
	26.5	30.6	17.8	5.4	. 5	. !	.0					130.0	4,4

TOTAL NUMBER OF OBSERVATIONS 29207

## SURFACE WINDS

## DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23161	CHITTEG STEEOL FE 17-AD	ALL
STATION	STATION RANK YEARS	MONTH
	INSTRUMENT	ALL
	CLASS	MOURE (L S T :
	C16 200 TO 1400 FT W/VSBY 1/2 MI OF MORE.	
	CORDITION	
	AND TODAY OF THE TO SELECT ON PET AS MODE	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56		MEAN WIND SPEED
N	2.2	3.1	3.0	1.0								9.1	5 . 5
HNE	9	1 2	1.4	. 2								4.3	5.9
NE	1.2		- 3	1								4.	5.2
ENE		2.5		. 1	. 3							3.7	5.2
E	3.4	3.5	1.4		5							7.5	4.8
ESE	1.5	7.1	1.4	F.	٢.	• ^				I		5.4	5.0
SE	1.4	2.2	2.3	1.0		٠,						7.0	7.2
\$\$E	10.	2.0	2.2	1.4	-1		- 2					7.1	7.6
\$	1 7	3.2	4.5	2.1		4						11.5	7.9
55W		1.5	1,7	0								5.0	7.9
SW		1.3	1.0	. 4	. 1		2					3.3	7.0
wsw	. 9	1.1	5	. 2								2.	5.3
- W	1.1	1.2	. 7	• 3	- 5							3.	5.6
WHW		. 7	. 6.	. 3	- 73							201	6.6
NW		1.1	1.1	. 9	• 1							3.2	7.4
NNW	1.1	1.4	2.0	1.2	-2							5.3	9.0
VARBL													
CALM	$\times$	> <	>>	$\times$	><	$>\!\!<$	$\times$	$>\!\!<$	$\geq <$	><	><	14.4	
	حوال	29 . 3	25.7	10.4	1.2	. 3	- 2					100.0	5.7

TOTAL	NUMBER	Of	OSSERVATIONS	 47.34

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC PERCENTAGE FREQUENCY OF WIND

NOCD, Federal Building Asheville, N. C.

#### PART D

#### CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

- 1. Annual all years and all hours combined
- By Month all years and all hours combined
   By Month by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

Beginning in July 1948 for Air Force stations and January 1949 for NWS and U.S. Navy stations the "no ceiling category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

#### EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 %	≥ 2	≥1%	≥ 1 1/4	≥ 1	≥ %	≥ %	≥ y,	≥ 5/16	≥ 1/4	; ≥ 0
NO CEILING	<u></u>			~			$\bigcirc$						~	$\stackrel{\cdot}{\sim}$	~	1
1													$\sim$	$\overline{}$		$\sim$
≥ 1800 ≥ 1500					91.0											\$2.6
≥ 1200 ≥ 1000																1.30
≥ 900 ≥ 800		- · · - — · · ·												<del> </del> -		1
≥ 700 ≥ 600	· · · · · · · · · · · · · · · · · · ·															
≥ 500 ≥ 400										97.4					 	9व.1
≥ 300 ≥ 200																
≥ 100 ≥ 0					95.4		96.9			98.3					(	100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq$  0. For instance, from the table: Ceiling  $\geq$  1500 feet = 92.6%. Ceiling  $\geq$  500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq$  0. From the table: Visibility  $\geq$  3 miles = 95.4%. Visibility  $\geq$  2 miles = 96.9%.

Visibility  $\geq 2$  miles = 96.3%. Visibility  $\geq 1$  mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling > 1500 feet with visibility > 3 miles = 91.0%.

#### PART D

#### ADDITIONAL EXAMPLES

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq$  1500 feet with  $\geq$  3 miles, subtracted from 97.4 read from the table at the intersection of  $\geq$  500 feet with  $\geq$  1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq$  500 feet with visibility  $\geq$  1 mile, but < 3 miles; or ceiling  $\geq$  500 feet, but < 1500 feet with visibility  $\geq$  1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

#### PART D

#### SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover and total number of observations. It is presented in two tables as follows:

- 1. By month and annual all hours and all years combined.
- 2. By month by standard 3-hour groups.
- NOTE: #1: Sky cover (total cloud amount) was not reported by U.S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.
- NOTE: #2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

OKTAS	TENTHS
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

NOTE: #3: Beginning in 1981 the symbols of Clear, Scattered, Broken, Overcast, and Obscured were used as input for the Total Sky Cover. Following are the conversions:

Clear converted to 0/10 Scattered converted to 3/10 Broken converted to 9/10 Overcast converted to 10/10 Obscured converted to 10/10

## **CEILING VERSUS VISIBILITY**

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/5	≥ 2	≥ 11/3	≥ 1%	≥ 1	≥ %	≥ %	≥ 1/2	≥ 5/16	≥ ¼	≥ 0
NO CEILING		11.4	4".5	45.9	47.	-7.5	47.	45.5	4 . E	4 : 6 5	4	42.9	40.3	4.1.0	49.2	4 .
≥ 20000		,46	4 · . K	5 . 2	5.008	30.6	51.5	52.1	. 3 • 1	72.1	52.4	12.4	57.4	12.4	52.8	~ 5 .
≥ 18000 ≥ 16000		.4. 1	4 5 6 5	5 • 2 5 • 2	57.*	3 F	51.5	7.1	· · · · · · · · · · · · · · · · · · ·	52.1	52.4 52.4	52.4 52.4	52.4 52.4	10 PV	52.8 57.8	: ! •
≥ 14000 ≥ 12000		.4 . 3	4 . 5	5 .2	5 7 a 3		51.5	!	12.1	51	52.4	52.4	37.4	52.4	€2.8 57.4	1. 7.
≥ 10000 ≥ 9000		45.3	4 2 . 5	1.1	51.00 51.00	1.0	92.4	1.1	57.1	53.1		57.4	57.6	53.4	57.7	14.
≥ 8000 ≥ 7000		47.3	51.1	: 5 . N	5 1	4 • 1 5 • 0	34.7	6.3			15.7	5.5.7	C : . 7	56.5	56.	6
≥ 6000 ≥ 5000		4 3	51.4	14.7		5 . 3	54.1	1 . 6	3.0	F 42 + 6	27.0	17.	: , ·	17.		37.
≥ 4500 ≥ 4000		i , d	5 1.4	55.3 57.5	56 . 3 56 . 3	<u>.</u>	3 3 1	7.7	7	7.7.,	7	4, • 3	1 1 7	5.3	23.6	•
≥ 3500 ≥ 3000		1.1	5 7 . 7	7.6	58.6	76.6	50.7 50.4			5 02	t .a	6.07		5	21.2 51.5	
≥ 2500 ≥ 2000		4.7	\$ 7 . 3	42.2		4 2 0 5 3 0 8	54.1	- 2 - 5	4.2	0.20	U2 6	2.0	55.7	42.4	6.	,
≥ 1800 ≥ 1500			65.5	62.5	67.6	1.3	64.5	15.7	3 4 6 5	65.7 N = 2	6.0	6.0	. K.	16.	55.3	
≥ 1200 ≥ 1000		4.5	54.4	67.4	6 .9	68.0	57.6		7 3 4	7,00	71.2	71.2	73.4	73.	71.5	71.
≥ 900 ≥ 800		18.4	64.	67.7	71.2	71.7	72.5	74.4	7 !	730.	7:01	74.1	74.1	74 . 1 74 . A	74.4	74
≥ 700 ≥ 600		1.5	64.5	71.5	72.8	4.1	74.4	*5.7	75.7	***	76.1	7. 1	76.1 77.4	76.01	76.4	76.
≥ 500 ≥ 400		1.5	60.9	73.5		75.1	77.4		72.0	77.0	77.	74.	7	79.3	79.3	
≥ 300 ≥ 200		(?.1	73.9	75.7	77.6	17.5	я 85.4	4.8	54.6	#5.1 89.	35.8 90.3	25.09 90.00	7 . 7	25.8 70.3		4 % .
≥ 100	<del></del>	12.1		77.0	×1.6	1.6	86.7	23.8	A ? . ?		11.9	91.4	77.6	27.6	93.9	94.

-	<b>^</b> 1	CASSEVATIONS	ن ع
TOTAL NUMBER	O+	OBSERVATIONS	 7

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

## **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/4	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ %	≥ 0
NO CEILING ≥ 20000				41.8	47.7	43.0	45.4	43.4	د, * ه د د ان م	94.0 47.2	45.5	44.7	4		45.5 45.5	4 .
≥ 18000 ≥ 14000		.1	44.	45.0	4: . ?	46.3	46.6	44.5	46.05	47.5	42.5 42.5	4 .5	4 . 7	40.4	44.	ι
≥ 14000 ≥ 12000			44.0	4.5.3	44.5	45.3	46.6	31.5	46.4	47.7	43.5		4 0	13 p G		1
≥ 10000 ≥ 9000		42.7	4	40.6		47.5	43.7	44.2	u ) , )		3 .	5 . 2	* .5	30.3	1.1	11.5
≥ 8000 ≥ 7000		44.	47.7	, c	1.1 e F	1.5 52.4	51.0	1.9	11.2 53.1	5 1 • 1 5 4 • 4	5	33.7	( 4 • 3	74.3	54.7	5
≥ 6000 ≥ 5000		45.6		57.8	52.4	. 2	33.4 54.1	43.4	57.4	54.7	55.3 50.3	55.3	15.7	56.0	54.3	
≥ 4500 ≥ 4000		47.	51.7	71.8 53.4	54.1	- 4 . 1 - 5 . 7	54.7	1.8.7	54.7 54.7	56.3	6.7. 56.6	57. 50.6	[ 1 . 3	1	57.3 10.6	1 .
≥ 3500 ≥ 3000			37.4 53.1	4 • 1 54 • 7	55.3	56 • 3 57 • u	57.0	67.0 67.6		57.5	59.2 50.5	50.2	55.5 60.2	1 13	5.	<u>.</u>
≥ 2500 ≥ 2000		101	54.1 55.7	57.6	57.9	67.9 60.5	58.5	1.2	9.6	60.2	48.4 63.4	80.3 53.4	61.2	63.	51.5 64.4	1
≥ 1800 ≥ 1500		1.1	92.7 57.0	57.5 55.9	. 1	*11.5	61.2 52.5	62.5	61.7 67.5	62.8 64.4	67.4	43.4 55.1	8 ₹. ٩ 6 3.4	43. 10.4	ღყ. გ. ანი	, , ,
≥ 1200 ≥ 1000		7.1 5.4	57.4	59.2 61.5	62.8 65.7	62.5 £ <b>5.</b> 7	68.4 65.3	7.4	55.4 :6.7	65.4 55.6	65.5	66.0	40.7 43.6	56.3 59.5	67.	
≥ 900 ≥ 800		13.4 14.4	53.9 60.7		66.0 55.0	16.0 45.0	5	-5 • 7 6 9 • 6	56.7	63.0 7	62.5 71.5	20.5		71.	7 0	7
≥ 700 ≥ 600		5.7	61.7	85.7 68.3	59.9 73.9	19.9 70.9	71.5	70.5 71.5	i	72.9 73.5		73.5	74.5	73.	74.4	
≥ 500 ≥ 400		56.0	67.4 54.4	6 . 3	75.5	73.5	74.4	77.7	74.5	77.4 37.5	71.6	71 Gl.4	1.4	7	70.	
≥ 300 ≥ 200		54.6	5 . 1	70.6 70.5	70.1	76.6	60.9	1.6	31.5	7.1	95.6 83.0	25.4 47.5	15.6 92.3	!		
≥ 100 ≥ 0		54.6 32.6	65.1	75.5 75.6	7 . 3	79.3 79.3	98.2	3.2	33.2 23.0	25 . 7	, ,	0 9	2 . 7	ļ	15.2	,

TOTAL NUMBER O	IL OBSEKAVITOMS	 

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#### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	SIBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 11/3	≥ 1%	≥ ;	≥ %	≥ %	≥ %	≥ 5/16	≥ 4	≥ (
O CEILING		2.	3 : . 3	₹ 5 . 6	36.0	18.5		41	* J • 1	95.0°	45.5	٠ - و.	+1.1	1.1	-1.1	ļ
≥ 20000			3 - 5	4 1	42.1	· 2 · 1	43.3	4	14 ° 4 is	45.7	• 7 • 7	4 4 . 7	4 1 0 7	44.	44.	4.
≥ 18000			3 - 5	£ .1	42.1	-2-1	4,7	, y , tt	ម ៊ី 😛 ធ	4 .7	47.7	43.7	44.	44.	44.8	4 -
≥ 16000			3 .3	* 1	42.1	-2.1	4 30	47.4	47.4	43.7	4:.7	-1.7	44.	44.	44.	47
≥ 14000			3 ° • ±	#: • 1	47.1	12.1	43.0	43.4	47,4	43.7	43.7	43.7	44.	44.	44.	14
≥ 12000		3 . 4	3	45.5	4 ? . 6	≈ <b>?.</b> 4	47.4	33.7	4 ! 4 !	44.	44.	44.	40.7	64.7		بد
≥ 10000		60.00	42.4	44.0	41.0	45.6	450	.7.3	47,7	47.5	47.	47.5	. +1 +2	W 1		<u>-</u>
≥ 9000		(	47.7	44.3	45.3	45.3	47.5	£ 7 . 5	47.0	47.0	47.	47. +		4 5 6 5	. ,	
≥ 8000		1.1.	4 . 3	4 7 . 5	4 7	49.6	50.1		50.5	5000	7	7	1.5	1.1	· 1 • r	
≥ 7000		41.	45.3	4 : . 7	5 7.	3.3	11.1	1.5	11.5	51	21.	51.3		.2.4		. 5
≥ 6000		91.	46	2 0 0	5 1.5	7 (1 . )	51.5	1.0	51.	1		• •				٠.,
≥ 5000		2.1	46.0	u ] . 2	5	500	51.5	72.1	7.1		2.4	3.7 • 4	· ' • ì	55.1		4
≥ 4500		1.2.4	47.5	6 . 5	21.5	1.5	5.	2.0	5,5	:::::	57.1	3.	· · · · · ·	£ ? . "	7.7	•
≥ 4000		-7.	47.6	4.4	51.4	1.	E 7 .		53.1	23.4	7 . 4	53.4	1.50	16.0	54.1	: ·
≥ 3500		.3.4	4 .	5 2.5	3.2.4	72.4	3 5 . 4	6.0.3		1	14.1	34.1	1.2.7	14.	14.7	•
≥ 3000		45.7	4	50.1	54.1	44 - 1	55.0	55.3	93.3	55.7	[ E5.47]	7	5	50.3		
≥ 2500		1	51.	[4 + i	56.	" 6 . i.	57.3	7.3	7.1	: 7	17.4	17.0		52.3		7
≥ 2000		ું ક7 • ઇ	57.07	56.06	58.8	18.00	1,000	19.4	0.0		· • •	1 / 1	1.0	41.	41.0	
≥ 1800		- 7 . 6	57.7	5000	€ / · • •	5 . €.	35.4	(0.0	* * * * *	Po . 5	. 5 . 27		11.	61.	11.7	
≥ 1500			45.07	12.5	6.3.0	70.00	61.	2.5	62.0	6 1 . 1	( L 1 . 4)	1.4	1 . 1 . 4	1. 12 . 14	0.4.4	£ . #
≥ 1200			57.5	17.5	80.0	7.	63.4	. 4 . 2	54.1	66.7	· · · 1	1		10.	6.	1
≥ 1000		1.4	5 .	€.7•1	* 4 . 4	والهامة	65.4	. 6 . 1	· 13 • 1	5 .	01.3	87.3	Lagar 🕶 🔻		A .	, 7
≥ 900		1.5	5 . 1	£ 1	f- a _ 4	: 4 . 4	45.4	.6.0	5.0	610	4.7 . 3	57.3		-	60.0	7
≥ 800		1.	52.Q	62.6	o 5 • ₹	35.1	, n . ·	-5.7	2 L • 7	000	1	A 3		1 4 . • 1.	• .	: 7.
≥ 700		3.1	÷ • 6	1.5.1	67.5	47.5	64.	+ 5 - 13	2	7 .3	7.0	7" . "	71.6	. 1.0	71.0	7
≥ 600		3.7	61	80.3	6.0.5	_ 1 = 5	65.6	· •	7	73.2	17.5	72.5	-1.5	73.	7 4 . 5	7.
≥ 500		4 . 4	57.1	6 14 3	70.0	?೧.≎	71.6	77.4	77.5	75.1	75.4	75.4	71.0	70.4	16.4	7
≥ 400		4.7	6.5.4	60.00	7 7 8 7	72.2	73.4	~5.1	7 1	77.4	77.7	77.7			74.6	-
≥ 300		5.1	5 - 1	70.2	74.0	74.8	75.4		7:4	-1.7	41.5	1.0	: * • *	.2	7.	
≥ 200		54.5	6" . 4	70.0	75.4	75.7	70.00		0.0	44.5	35.3	3.4	7.1	37.1	37.4	8 -
≥ 100		₹1.07	f3 = 0	70.6	75.4	15.7	70.3	1.7	1.2	75.4	.6.7	20.1	2 - 7	13.7	2.63	9
5 6		1	4 9" 10	w	أندت	75 3	2 6 7		1 2		احدا	20.9			21 0	h

		_
TOTAL MUMBER	OF OBSERVATIONS	•

### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING				· <b>=</b>			VIS	BILITY (ST	ATUTE MIL	.ES)		<u></u>				
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 1%	<b>≥</b> 1	≥ %	≥ %	≥ %	≥ 5/16	≥ '•	≥ 0
NO CEILING ≥ 20000			1.	37.3	7	1 . ·	3 1 4 7	1 1	6.7.4	3		( )	,	,		7
≥ 18000 ≥ 16000			37.5	ν , , ,	4 1 1	2.1	4 2 . 4 4 2 . 4	د ۲ . ورا د د د د د د د د د د د د د د د د د د د	4.7.4	4	4 7 . 7	4.3.4	4.7.7			
≥ 14000 ≥ 12000		74	3/2 • /	5.1. ·	4	4 3 <b>. 4</b>	43.7 99.	4 . 7	47.7	4 . 7	44.4.7	44.	7. L.	48.	44.	. 4 .
≥ 10000 ≥ 9000			* * 1	94.7	40.0	47. T	44.6 40.47	8 n . r.	4 . • 5 4 5 • •	₩ 5 • 6 ₩ 2 • 1	41.	4		47	, 7 , 7	
≥ 8000 ≥ 7000		1.4	4	4 - 1 2 4 - 2 3	44	1	50.5 50.1	- 1	1:01	1	- 7 au				1.1	
≥ 6000 ≥ 5000		44	47. V		: • · ·	2 . 5 5 .	2 <b>7 .</b> 3	• 1		1	3 ° • 4	 	• •			
≥ 4500 ≥ 4000		• • •	51	7	5.4.3	7.5	5.7. ^	.7.0	· 7 •	57.		• • •	-, -		7.	7
≥ 3500 ≥ 3000		•	) 	5 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7	5 . 3 5 . 4			• •	5					. '	ه . م	
≥ 2500 ≥ 2000			,4.4	56.0 11.2	5).2 2.2.2	3.3 (2.)	30.4 23.4			ا العادات	1)	۱.، <u>د، د د</u>	. 1 • 7	1.	1. 	<u></u>
≥ 1800 ≥ 1500		1.2	57. 51.	61.2	67.5	1 - 1		· · ·	5 • 3	3.4	٠. د .	43.9 2.e.		، کا نافیند،	ر و ۱۹۹۰ ساعه ساعت ا	ه. ۱۹۰۰ ۲۰ ش
≥ 1200 ≥ 1000		- 6-	67.1	~7.5	72.3		7 . 2	- 12.5	7	• *	· · · · · · · · · · · · · · · · · · ·	,	7 .0	- 14 e 1	11 a. 1 a <u>2</u> a 1	
≥ 900 ≥ 800	· <del>-</del>	7 : 0 3 1 : 0 3	<u> </u>	71.2	15.1	75.	74.9	'4 • 4; '6 • 7;		70.4	70.00	716.	- · i	. • i	77.7	, , , , . 
≥ 700 ≥ 600	L	1.0	7	75.4	77.7	77.1. 24.66	7 8 . 7		7	•	7 • 7	7	7: <sub>4</sub> 2 <u>**</u>	۰ . سند	70. <u>-11.</u> 2	
≥ 500 ≥ 400	L	7.1	71.5	7:004 7:00	91.7	٠٠٠.	22 64.1	-7 • 2	~ 4 • 1	` 		 	م.د. گفائد و	·		•
≥ 300 ≥ 200		201	73.>	7.9	94.0 55.7	5 • 1 6 • 4	71 . 44	ر و د ر و ز	31.44	9	37.4	4 و٠٠. <u>4 و ب</u>	5	ا • ئ بنوهنــ	1.	- · · ·
≥ 100 ≥ 0			7.5	7 . 6	35. 45.	16.7	5 A . 7	53.1 33.3		,	- 2 . sl	3.5	- t . c		7.1	1

TOTAL NUMBER OF	OBSERVATIONS	

### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 11/2	≥ 11/4	≥ 1	≥ 4.	≥ %	≥ %	≥ 5/16	≥ %	≥ 0
NO CEILING ≥ 20000		-7.	4 2 4 3 4 4 4 7	; c	44.7 5 • 7	-4 • ? J •	44.0 23.0	.u .? ∵•?	54.7 20.0	4 . 2	.4.2	46.2	· • °	4.44 . 2	- 3	44.
≥ 18000 ≥ 16000		47.7		7		.n	5 ) • S	50.0			• 7	7.0	7		20.7	•
≥ 14000 ≥ 12000			57.3	5 . )	51.6	1.3	50.3	1.5	1.0	55		57.5	1 . E	1.0	3.4	• •
≥ 10000 ≥ 9000		1.,	5 ( ) ? 5 ( ) ?	34.2 54.3	54.8	5	54.3 55.3	* 4 . ±	्रक्रुंड ्रक्रुंड	54.5	54.5 53.5	34.7 13.3	- 10 g 3 F	C4 .	54.8 23.6	
≥ 8000 ≥ 7000		3 4 6 7 4 4 5	5	4.7.18 19.1.4	-	-88•1 -7•5	53.1 59.0	ົາ.1 ຕູກ	5 ° • \$ 5 2 • €	F 1	\$ 0 € 0 € 2 € 0 € 0		• I	58.1 64.5		•
≥ 6000 ≥ 5000			515.4 51.4	1.0	53.7 51.2	13.7	62.7	71.7		6 • * 5 <b>1•</b> •	€ ^ <b>, ?</b>			6.1.	5.7	61.5
≥ 4500 ≥ 4000		7.1		~1.7	67.0	12.7	02 • 3 47 • 0		04 4 T	5.2° ± 3 5.2° ± 5	60°₹	57.3 53.4	23.00 20.00		52°0	4
≥ 3500 ≥ 3000			50.7 5 . 7	5 6 . 4 . 5		* 3 • 6 * 5 • 6	43.0 65.5	47.6 €5.65	18.00 € 18.00	63.6 65.65	5°•6	13.3 55.5	_	63.46 55.5	53.1 65.0	65.5
≥ 2500 ≥ 2000		7 . 7	5.5 s. 3	,	· ·	73.7	13.3	77.2	2°•7	53.7 73.2	54.7 71.2	77.2	2 ° , 7	68.7 73.2	65.7 73.2	fr = . 7
≥ 1800 ≥ 1500		50.0	70.1	7.3.7 7 <b>7</b>	77.0	73.4 75.7	77.4	73.9 70.7	73.7	13.0 79.1		7. • 7 79 • 7	7 7	75.7	73.7	7:
≥ 1200 ≥ 1000		4 . 7	11.	-2.3 14.2	93.2 88.5	5.0	53.00 45.0	1.0 5.5	. 3 • 6 3 • 4	# <b>3 .</b> 8.	1 1. 2	1 1•6 15•4		1 4 . / 2 0 . N	9.3.4 85.8	•
≥ 900 ≥ 800		€.º	81.7 35.6	E 4 • 5 1 • 6 €	4 1		36.4 62.4	. 1 7	76.1	30.1 Fg.7	30.7	85.1 Ed.7	4.7	45.1 88.7	96.1	26.1
≥ 700 ≥ 600		7 4		29.4	9°•7	19.0 3.7	59.7 91.5	1.9	1.0		9	97.5 9 <b>1.</b> €		31.	51.0	
≥ 500 ≥ 400		• 5	44.5 35.4	7	0 / 0 / 2 / 2	3.9	75.2	6.1	31.6 35.1		23.5 76.5		88.5	56.5	75.5	
≥ 300 ≥ 200		1		91.9		4.6	95.5	^6.8 -7.7		97.1	97.4	30.7		~ 9 . 4	97.4	49.4
≥ 100 ≥ 0		3.3	্ৰ পুৰু ন	71 . 7 71 . 4	23.6	14 · 1	90.1	7.7	0 0	73.7 98.7	77. 70.4	79.4	77.4 29.7	1	1/0.3	

TOTAL NUMBER	ΩF	OBSERVATIONS	
CALME LIGHTER	σ.	O 0 0 0 0 1 1 0 1 1 0	 

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### **CEILING VERSUS VISIBILITY**

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING			_			-	٧١Ş	IBILITY (ST	ATUTE MIL	.ES)					_	
(FRET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	يا ≤	≥ 0
NO CEILING ≥ 20000			43.7 31.5	63.6	4 . °	-3.5 -2.6	43.	3 2	4 6 6 4 6	4 o	43.7 50.5	43.4	47.0	43.9 52.5	43.4 :2.6	
≥ 18000 ≥ 16000			73.e	43	52.6 52.6	2.0	50.6 30.6		52,5	5 d • 6 5 d • 6	- 2 • € - 2 • €	2.00	7.6	57.5 57.6	12.6	٠.
≥ 14000 ≥ 12000		3.1	35.4	* 7 • 3	52.3 54.2	2.9 54.8	50 € ¥	4 2	32.0	53.4 54.2	57.9	54.	77 . C	7.5 14.2	.7.9 54.2	• •
≥ 10000 ≥ 9000		54.	5	7.1	57.7	57.7	57.7 56.7	57.7		57.7 53.7	57.7	57.7 54.7	7.7	57.7 58.1	57.7 52.7	57.7
≥ 8000 ≥ 7000			60.3	61.6	61.	2.3	62.43 62.46	•	1 " • ! 	1.01 5.06	60.3 (2.4	2.0	47.3 47.6	42.1 12.6	17.3	3 3 2 <u>( ) )</u>
≥ 6000 ≥ 5000			51.7 67.0	13 ( a ) 5 - 5	3	5 . S	54.2 55.1	4 • .* i,c	( N . 2	4 4 0 T	64.3 65.4	8 4 6 2 1, 4 6 1,	64.2 3.3		. 4	±4 • : € * • :
≥ 4500 ≥ 4000		1.1	6.7.2 64.5	-4.3 95.5	ر د م د • ا	55.3 57.4	67.7	5 · 1		0 to ⊕ 3 2	6, 5, 6 1	66. i	• • •	55.1	2.01	60.
≥ 3500 ≥ 3000		3.1	61.5 65.8	1 1 1 2	6 4 6 7	49.4 49.7	6 · · ?	, , ,		100	7	1 . 3	7 , 7			<u>,</u>
≥ 2500 ≥ 2000			72.7	70.7	73.5	75.2	71.5	71.5 75.5	720	7).4	77.3	71.3	71.5	71.6	71.3	".•` . <u>"</u> .•:
≥ 1800 ≥ 1500		73.7	77.1	74.9	76.	75.5	76.1	14.5	75.6	100	75.7	71.0	51.5	75.01	75,5 <u>- 1.0</u>	٠.٠٠ <u>د د ( </u>
≥ 1200 ≥ 1000		15.5	7 - 7	12.03	1	1	57.1	7.4	-7.4	34.7 47.4	34.2 27.4	u . 3	7.4	-4 . c	7.4	٠٠. د ا
≥ 900 ≥ 800		76.4	91.	7 0 0 2 V 3 0 4	5/11 5 7	* 7 • 1 	47.4 91.5	37.7 1.3	37.7	07.7	67.7 11.3	37.7 31.3	37.7 31.3	17.7 11.3	11.6	•
≥ 700 ≥ 600		76.1	84.5	89.7		1.4	93.6	32.6¥ 4.6€	74.5 54.5	1 '	6 3 . 3 9 4 . 5	74.5	ं. • इ १५ <u>• इ</u>	و پرده و پهو	37.3 94.8	99.
≥ 500 ≥ 400			Brat	51.6 21.5	:4 R	* <b>4</b> . 5	95.9	0; .A ≥6 . }	95.0 95.1	71, 0 m	55.2 56.1	55.5 56.1	5".8 [n.]	96.1	96.1 58.5	56.1 *6.1
≥ 300 ≥ 200		1	85.1	7).5		5 • ⇒ " <b>6</b> • }	97.1	97.7	57.7 >> 1	39.4	95.4 95.3	(3.4 (3.4	96.W		98.7	90.7 99.4
≥ 100 ≥ 0		7	36.1	21.5 21.4	¥5.	38.1 35.1	67.7	279.44 38.44	9 A . U		50 g 44	99.4	. 9 • ₩	9 . 4	9.7	99.7 100.7

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### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING				_			VIS	SIBILITY (ST	ATUTE MIL	ES)						
(PEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21%	≥ 2	≥ 11/2	≥ 1%	≥ı	≥ 4	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING		41 .	4 7 . 3	4:00	4 .5	45.	43.7	42.0	47.0	43.9		43.7	48.0	43.9	H 4 * A	m ¥ •
≥ 20000		4 4	5 - 7	51.6	E / • \$	2.2	57.6	2.6	37.6	52.6	5.2.5	200	12.6	5.₹.€	17.6	
≥ 18000		47.04	5 . 7	11.6	2.2.3	2.3	5.7 • €	4.5	67.6	12.0	52.6	12.6	27.6		57.5	
≥ 16000		117.4	3 . 7			12.3	52.5		22.5	5.2.5	50.0			57.5	12.6	. • €
≥ 14000		47.4	5'.7	21.€	t I	* Z • 3	52.5		57.6	51.6		25.6	5 .6	12.6		• •
≥ 12000		1, 4	51.5	72.6		13.2	23.A	43.6	3.5.3		53.5	53.6			57.0	
≥ 10000		1.4	30.2	65.2	1	55.1	56.5	"h."	56.0	55.5	50.65	2000		1	55.5	
≥ 9000		1.	5 2	56.1	57.1	57.1	57.4	6.7.4	57.4	57.4	57.4	57.4	F " . 4		57.4	5.7.
≥ 8000		.5.7	50.7	57.7	61.1	1.5	61.3		01.3	61.3	- 1	61.3	31.°	61.2	51.3	2.1.
≥ 7000		35.03	59.7		61.09	ì	62.3	2.3	<u> </u>	62.3		47.3	: 1.3		(2.2	51.
≥ 6000		5 to •	57.0	61.0	62.3	53.4₹	62 . t.	: 7.3	€ 2, ● 3,	62.0	63.0	12.9	57.0	62.0	67.9	h2.
≥ 5000		30.1	61.9	8. 9	64 . 7	4.7	64.5	54.8	54.8	54.5	84.9	54.4	64.5	64.	64.7	6 h .
≥ 4500		1.3	6:00	63.7	45.03	65.7	63.5	5 . 5	1.50	5500	tit ∎e	65.6	47.6	55.7	4.5	u 5 .
≥ 4000		15.04	63.5	74.2	55.7	^5 · :	6 . 3	6.1	65.1	65.1	36.1	6 . 1	16.1	66.1	56.1	25.
≥ 3500		1 1	63.8	. * • *	é < . 5	4500	4.5.2	~5.5	. 4. 🚛 E	jo 5 • 1	60.5	55.0	150.8	56.5	66.5	60.
≥ 3000		11.4	62	tract	4 . 7	67.7	63.1	15.4	<u> </u>	5 , 4	ng 6 • va	A 4	5.0 €	18.4	89.4	6 .
≥ 2500		4 . 3	6 . 4	19.4	71.	71.	71.3	11.6	71.6	71.5	71.	71.5	71.5	71.	71.0	71.
≥ 2000		201	70.3	72.6	73.3	15.2	73.6	* 7 . 3	75.7	73.0	77.5	73.3	17.3	77.	73.9	7:
≥ 1800		5.4	70.3	71.0	73.0	73.6	75.0	74.2	74.	74.7	74.	74.2	74.2	74.7	74.7	74
≥ 1500		. 5 . 5	72.7	74.2	75 - 1	75.1	70.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.
≥ 1200		7.1	70.2	12.5	71.4	78.4	77.	70.4	75 .4	70.6	70 a	10.4	* 4	79.6	77.4	79.
≥ 1000		` • <b>!</b>	77.1	7:.7	41.7	l . d	02.6	7.5	7.4	3 8 . 5	50.0	12.3	33.0	82.9	6.2.9	1.2.
≥ 900			77.4	×0.0	42.6	2.6	23.2	3.1	5.6	13.8	63.6	4.5.6	7.6	· 3 . n	6.00	
≥ 800		-1.7	8 1	33.2	26.9	46.1	F 7 . 1	7.4	.7.4	37.4	17.4	57.4	57.4	F7.4	a7.4	
≥ 700		7:04	31.0	54 . 5	27.4	7.4	9 A . 4	29.7	72 . 7	A9.7	9.0 . 7	€ € . 7	84.7	68.7	₹8.7	0 .
≥ 600		27.4	31.7	34.6	47.7	48.1	80.4	49.7	ું કુ	82.7	45 . T	8 1	53.7	89.7	29.	μ;.
≥ 500		"4	6 4	26 a d	6 .	15.3	91.3	2.3			¥2.0	47.0	17.6	23.00	\$ ? . 4.	37.
≥ 400		74 . 5	83.5	17.4		1.3	97.9	53.6	13.1	33.3	73.9	23.9	5.7.0	93.0	93.4	n s.
≥ 300		74.1	84.5	5.7	92.5	3.2	91.0	55.8	75.8	95.5	76.5	95.3	46.5	96.5	54.5	96.
≥ 200		74.3	84.5	73.7		`3.6	94.5	1	77.1		23.7	74.7			98.7	ì
≥ 100		74	94.5	24.7	61.7	-3.9	94.1	77.4				¥7.	40.4		09.4	99.
≥ '00		74.4	34.5		1	3.7	96.8	1		98.4	29	49.	30.4	53.4		1:0.

OTAL	NUMBER	OF	OBSERVATIONS	 4	

DIRNAVOCEANMET SMOS

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ ¥	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000		* : •	4 7 - 1	90.4	- 1	49.1	4 . , 7	49.7	4 - 4	40.7	. • 1	47.7	57.0	•	57.3	
				12.3	54.3	5-2	تعفت	5	- 4 - 5	بمعدد		5005		15.0	_5.5	200
≥ 18000 ≥ 16000			57•3	7 2 . 9	54.7 54.7	14.7	54.5 54.5	14.5	14.5 24.5	54.5	54.5	34.5 54.5	55.2	55.2 55.2	55.5 55.5	1
≥ 14000 ≥ 12000		-5.1	52.6 52.6	53.7	54.5 64.5	14.5	54.4	04.2 54.8	5,4 , 7	54.5	54.6	54.8	95 3 30 8	55.4 55.4		
≥ 10000		2.3	54 a is	55.8		57.1	57.4	7 4	n		54 B	57.4	59.1	50.1		
≥ 9000		72.5	30.2	56.1	57.4	37.4	57.7	7.7				57.7		1 1	_	
≥ 8000 ≥ 7000		4.1	56.9	57.7	59.7	50.00 50.00	52.4 50.3	50.4 (0.3	57.4	#. y = 4	57.4	39.4	5 .0 41.0	60.7	57.5	* 1 . 9
≥ 6000		35.2	37.7	58.7		40.7	61.0	*1.6	61.0	01.	61.0	<b>(1.</b> )	61.5			
≥ 5000		30.1	57.0	د آه ڏ	٠ ١	12.5	62.6	62.5				62.6	63.2	53.2	63.0	J
≥ 4500 ≥ 4000		55.1	5 V • N 5 € • 7	50.7	52.5 63.3	63.0	63.0		52.5 63.6			62.9	1	53.6 54.2	68.9	
≥ 3500 ≥ 3000		57.7	60.7	50.3	6,40 . 7	^4·2	64.5	2465	54.5	64.5		54.5	65.2	65.2	45.5	50 .
≥ 2500 ≥ 2000		1	& ? • €	1: N . Z	86.5	66.5	66.5	b\$0.5	65.5	66.8	56.9	56.8	67.7	67.7	₽6.1	E
≥ 1800 ≥ 1500		7	65.9	85.8	55.1	69.1	3, 7 <b>. ts</b>		30.6	ઝ છે • દેવ	65.4	68.4	67.4	60.4	62.7	7 .
≥ 1200 ≥ 1000		1 • 1	55.5	69.4	71.0	71.6	71.9	71.9	71.7		71.0	71.0	77.0	72.4	73.2	7:
≥ 900 ≥ 800		3.2	6:07	71.6	74.8	74.8	75.2 75.2	75.2	75.2	75.2	75.2		74.1	76.1	76.5	77.
≥ 700		.4.8	71.3	77.6	75.7	75.8	76.1	75.1	79.1	70.7	70.0	76.1	1	77.1 30.3		91.
≥ 500		15 ± 5	72.3	77.4		°7.3	92.6	12.6	32.5			53.2	34.7			25.
≥ 400		-601	75.5	7 5 . ii		13.2	80.3	64.5	34.5	65.2	65.2	95.2	50.1	96.1	44.5	
≥ 300 ≥ 200		56 o F	74.2	79.7	84.8 85.8	45.3	87.1 55.7	18.1	59.7		80.7	88.7	91.3	89.7	•	97.
≥ 100 ≥ 0		46.0	74.7	7+07	85.3	56.5	99.7 88.7	93.0 93.0	70.7	91.9	92.3	92.3		- 1		

TOTAL NUMBER OF OBSERVATIONS	. 1

DIRNAVOCEANMET SMOS

**CEILING VERSUS VISIBILITY** 

### **CEILING VERSUS VISIBILITY**

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 214	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING		19.7	41.3	42.2	4 7 . 1	- 7.1	49.5	43.6	43.6	43.7	43.0	43.9	44.	44.	44.2	44.5
≥ 20000		F4 . 3	# 1 e tr	4/00	43 a F	49.7	47.2	40.3	47.2	49.5		43.6	47.8		<^.	
≥ 18000		6 4 . 1	41.6	47.8	ds a	-4.3	49.2	45.3	47.5	40.5	43.6	49.6	47.7	49.5	30.0	
≥ 16000		-4-1	46.6	47.9		45.7	49.7	- 3	40.3		4 .6	49.6		49.0	7.5 a m	
≥ 14000		-4-3	45.	4 Q • C	47.1	49.1	43.4	49.6	47.6	_	49.9	49.5	20.1	50.1	573.3	5 . 7
≥ 12000		44.	47.4	40.6		49.0	5 . 0	1 1	• • 1	50.3			• •		50.9	1.3
≥ 10000		45.	40.9	21.1	32.2	2.2	52.5	52.7	57.7	50.9	5.3 - 1	53.1	53.3		> 3 • 5	53.5
≥ 9000		47.5	50.2	51.5	52.7	52.7	23.1	3.2	53.7		-	53.6	. 3.		540	(4.4
≥ 8000		10.7	5 ? • 9	54.3		55.5	54.0	€6.1	56.1	50.3		56.5				57.43
≥ 7000		C.2	57.7	55.2		<u> </u>	57.3	7.2	57.7	57.4			57.7	+		3 8 . 3
≥ 6000		(0.4	54.4	55.9	57.5	57.3	57.8		53.7	T 0 2 2	2 . 3		17.3 4 6		58.7	
≥ 5000		1.7	57.4	57.2	51 .6	16.0	59.1	. 0 . 3	3	20.6		55.7	55.6	<del></del>		
≥ 4500		12.7	45.	57.8	, ,	5 . 3	E 9.7		ម១•០		50 a	€ • 4	1	*0.5	60.€	
≥ 4000		2 • 1	51.7	38.7		.0.2	47.7	11.0	-1.7	51.2	41.4	51.4			61.8	63.03
≥ 3500		7.9	57.4	59.5	51.4	(1.0	61.4	41.7	\$1.º	62.0	57.1	62.1	52.3			62.
≥ 3000		4 . 1	<b>5</b> • 6	63.7	<del></del>	.2.5	52.7	63.0		43.3		63.4	57.7		<del></del>	. 4
≥ 2500		5.	57.	£2.4	54.3	6.40	54.5	- 1		1	€, E			,	6. 6	
≥ 2000			u e	45.2	66.3	56.8	67.3	57.7			5 1	55.1	5: • 3	<b>4</b>		5:0
≥ 1800		10.10.4	53.1	€ 5 • <b>4</b>	67.1	+7.1	67.5	17.5				6 : • 4	37.7	46.7	62.3	64.
≥ 1500		* • =	66.1	1.4.9		79.7	71.2	71.6			<del></del>	* ? • 1	33.0		72.5	. 23 • :
≥ 1200		51.4	67.7	77.6	72.5	72.5	77.1	75.5			74.5			74 . 3	74.5	
≥ 1000		3.6		73.7		75.4	76.	76.5			75.9				77.5	
≥ 900		3.4	70.9	73.3	75.7	75.7	76.4		76.7					1	77.9	76.
≥ 800		• • 7	71.7	75.1	77.7	77.7	78.4	75.8				79.4			1.	
≥ 700		5.7	77.4	76.6	70.	79.5	80.1	°0.€			1	51.1	41.5		£1.7	82.1
≥ 600		06.4	73.6	77.8	€17.7	37.7	31.5		3.2 . 1	32.6					73.	3.5
≥ 500		16 • 4	70.5	79.1	82.4	2.4	43.6	94.1	84.1	34.5	5 .	r 5 . U	05.3	1		
≥ 400		5/00	75.4	- 30 · 1	33.7	24.0	55.5		64.1	A to y		87.2	57.5			
≥ 300		67.4	75.7	31.1	95.5	5.5	57.7	69.7			9 2	2.02	90 · \$		97.0	37.
≥ 200		e 7 . 4		F1.2		16.7	89.1	95.03			85.H				93.6	
≥ 100		67.4	75.9	*1.3	36.3	46.3	89.4	90 . A	90.1	93.1	C# * J	94.0	45.0		25.4	
≥ 0		67.4	75.8	11.3	F6 . 2	.6.9	89.4	30.5	900.2	93.	29.1	14.1	55.2	95.3	15.9	100.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

1 - 1

ENTITS FILLS, SL

#### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS ( L S T

CEILING							VIS	BILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ \$	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ ⅓	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000		?;.;	4 1 . 3	47.5	5 ° • 1	:0 . 4 0 4	51.4	53.8 55.7		56.0	52.	55.7	. 7.2 57.1	5/11	- 1	53 57. s
≥ 18000 ≥ 16000		· 3 • 0	4 . 7	51.8 51.8	53.7	34 . S	55.7 55.7	55 c 7	55.7	56 a w	5 6 . 7 5 1 . ?	56.7	17.1	57.1	57.1 57.1	57.5
≥ 14000 ≥ 12000		. a . c 45 . c	4 . 4	77 a 1	54.3	74.A	56. 1	≤e • .: 57•1	51.1	51.4	57.1 See2	57.1 53.2	57.5 64.5	57.5	57.5	5 . 4
≥ 10000 ≥ 9000		40.	51.4 51.4	5.0 5.0	57.1 57.5	7.5	58.2	5.9. C	50.9 53.2	39.2 59.0	59.0	57.9 65		60.3 67.5	50.3 67.6	e, e o e o e o do o
≥ 8000 ≥ 7000		, 3 a 3	51.0	57.3 53.2	50.0 50.3	63.5	61.7	-1.7 -2.1	(1.7	62.4 62.4	67.6 63.1	50.8 63.1	1 1 1 1 7 5	53.1	03.1 53.5	(3.5) 50.0
≥ 6000 ≥ 5000		7.0	5.0	59.7 61.6	61.4 52.5	1.7	53.1 64.5	13.1 50.5	64.5	63.2 64.2	64.2 55.6	64.2 56.6	54.5	60." 60.0	64.5	64.0
≥ 4500 ≥ 4000		1.1	57.5	61.4	63.5 54.2	63.9	66.3	(5.3 (6.3	5 € ° 5 € 5 € 5	€5 • € 56 • 7	66.3 67.4	67.3	63.7	56.7 57.7	66.7	67.
≥ 3500 ≥ 3000		2.1	50.5	67.8 54.5	64.7	45.4	67.	57.3 57.2	67.7	57.4 69.5	64.1 7.42	67.1	5".4 7".6		62.4	73.3
≥ 2500 ≥ 2000		5.1	61.0	56.3		72.0	70.9	70. y	7 .7	, ,	72.5 74.2	72.0 74.8	72.3	72.5	, ,	77.5
≥ 1800 ≥ 1500		57.5	63.5 53.5	69.2	71.0	72.0	73.4	13.E	73.4			74.5 71.5	15.2 75.9	75.7		74.5
≥ 1200 ≥ 1000		: 7 • A	54.2	79.6	73.2	73.4	75.5 75.6	75 - 5 76 - 6			74.5	76.6	77.0	77.	77.	77.
≥ 900 ≥ 800		59 • 1 58 • 1	65.4 50.565	71.6	74.5 75.2	74.6	77.7	77.0			71 . G	72.3	74.4	78.4 79.6	7º.4 79.8	75.7
≥ 700 ≥ 600		93.5 53.5	65.64 66.7	72.7 73.8	- 1	75.9	79.1	79.1 47.9	7 % . I	79.8 81.9		67.5 67.6	97.0	1		% 1 . 2 5 ? . 2
≥ 500 ≥ 400		£5.0	67.7	75.2	77.1 80.5		81.3 84.6	63.3 94.8	53.3 84.9	34.4 85.8	85.1	85.1	15.8 86.9			7 % a di
≥ 300 ≥ 200		59.2	62.4	74.6	62.8 83.5	3.1	87.2	37.2	57.2 52.3	89.7	97.4	91.4 92.2	7.9			91.1
≥ 100 ≥ 0		79.2	6 B . B		83.0	3.7	89.0	07.4 89.4	(S 2)		94.3	94.7	95.7	95 • 3 95 • 4	95.0 95.7	95.7 116.3

TOTAL NUMBER OF OBSERVATIONS

#### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) CEILING ≥ 4 ≥ 1% ≥ 10 ≥ 6 ≥ 5 ≥ 2% ≥ 2 ≥ī ≥ % ≥ % ≥ 5/16 ≥ 0 C 1 . . NO CEILING 1.1 11.4 51.5 51.4 51.6 ≥ 20000 54.6 -1. 54.6 ≥ 18000 ≥ 16000 47.2 58.5 52. .7.5 34.5 14.6 54.6 50.6 53.5 ≥ 14000 ≥ 12000 - 2 . ≥ 6000 ≥ 5000 61.4 ≥ 4500 ≥ 4000 51.7 12.1 52.1 ≥ 3500 ≥ 3000 5 . . 4 68.1 60.4 69.7 7 . 2 1800 71. 74. 73.9 76.6 700 600 1.2 \$2.0 1.3.7 23. 67.0 ·U. 34.4 67.1 10.0 60.

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET

### **CEILING VERSUS VISIBILITY**

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MIL	£S)					-	
(PEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/4	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ 46	≥ %	≥ 5/16	پ ≤	≥ 0
NO CEILING ≥ 20000		73.3	3 . H	01.5	41.5	11.5	43.3 45.2	43.5	4 2 . 5	44.5	46.7	44.7	40.0	33.3	45.4	
≥ 18000 ≥ 16000		7 A . 6	47.6	45.7	46.0	46 d	43.2	23.5 43.5	43.6	49.3	41.7	40.7	20.0 20.0	10.1 30.0	50.4 ∋0.4	51.; 51.1
≥ 14000 ≥ 12000		31.09	42.4	45.7	44.0	47.4	49.2	48.6	45.6	40.5	40.7 52.7	49.7	51.0	-5.0 51.1	57.4 51.4	11.1
≥ 10000 ≥ 9000		•0•4 •0•4	47.0	36.4 5.4	51.6 51.4	61.4 31.4	53.2	53.6 53.6	53.4 53.5	54.3 54.3	54.5 54.6	54.6 54.6	5 F	53 • 1 55 •	55.3 58.3	5 ( <sub>4</sub> )
≥ 8000 ≥ 7000		*2.6	50.7 51.1	03.6 55.9	5# .6 0 .82	15.0	56.4 56.7	56.7	54.67 57.1	57.5 57.8	57.8 58.2	57.8		56.2	58.5 58.0	59.5
≥ 6000 ≥ 5000		1.3.4 1.4.5	3 1 • 1 5 2 • 5	1, C . 7	56.8 56.4	56 • 3 35 • 4	57.8 58.2	2.5	50.2 32.5			50.2	5 % 6 5 % 5	4	50.3	5.6
≥ 4500 ≥ 4000		34 • 3 *5 • 1	5	45.7 58.4	1	7.1 57.3	58.7 59.6		50.4 13.3		6 • 6 51 • 4	63.6	51.0	61.7	61.4 62.1	
≥ 3500 ≥ 3000	<u> </u>	4 : • 4 • 5: • 1	53.9 55.0			69.7 39.5	59.7		56		51.7 57.5	61.7	57.1 23.8		52.4 (8.7	( i . : €4.9
≥ 2500 ≥ 2000		15.4	5 ( • 3 5 3 • 5	50.9 52.4		10.5	67.8 56.7				60.5 60.4		64.0	0-4-7		66.
≥ 1800 ≥ 1500		1.4	53.5 61.	62.4 55.3	63.9	53.6 67.5	70.7	57.4 79.9	77.	77.1	77.3	72.3	77.1	73.1		
≥ 1200 ≥ 1000		2.1	01. 3	53 <b>.3</b> <u>56.</u> 3	67.4	67.7	77.6		71.7	72.3	73.8			1	74.5	76.
≥ 900 ≥ 800		2.1	61.3 52.8	67.7	50 a 1	20 - 4 7.2 - 5	73.4		77.7	73.1 75.5	14.02	75.8		77.7	75.9	
≥ 700 ≥ 600		3.4	64.5	69.2 70.2	72.7	72.3		77.7	75.9 75.7	70.4	4 7.1	73.0 87.1	79.4	79.4	40.1 82.5	
≥ 500 ≥ 400		5.1	56.3	72.3	76.3	75.5	80.9	11.6			<b>64 9</b> 4	82.6	54.6°		54.8	57.
≥ 300 ≥ 200		55.1	65.3	75.4	76.4	77.3	82.3	17.3	23.7		£6.9		48.7	18.7	89.4	31.4
≥ 100 ≥ 0		15.3	66.3	73.4		77.7	87.6 82.6		2 <b>4 • 4</b>		89.	88.7	91.1		92.2 93.3	3 4 . ₹ 1 . ()

TOTAL NUM	BER OF OBSER	VATIONS	٠.

DIRNAVOCEANMET

### **CEILING VERSUS VISIBILITY**

STATION PERSON FL.

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)							VIS	SIBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ s	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ 1/4	≥ 0
NO CEILING			4:03	45.4	46.4	46.4	46.3	46.5	45.0	46.0	47.2	47.2	47.2	47.2	47.2	47.
≥ 20000		42.7	5 . 7	11.0		3.2	53.2	3.2	43.2	53.7	53.6	52.0	F 7.5	53.5	57.6	£ 3 .
≥ 18000	_	3 . f	51.1	52 • 1	57.6	53.6	53.0	1.6	55.4	53.0	57.0	53.0	F * . 9	53.0	5:.9	54.
≥ 16000		~ Z . N	51.1	52.1	53.8	53.6	53.6	53.5	53.6	53.6	7.3	53.9	53.9	53.7	51.0	54.
≥ 14000		-2.	51.4		5.3.49	4.2.9	21.0		55.9	93.5	44.3	E4 . 3	5 t . 7	54.3	24.3	54.
≥ 12000		33.3	51. 1	57.2	54.6	£4.6	_54.€	4.5	54.5	5406	6.6	F5+1		25.0	55.0	5 🗧
≥ 10000		46.1	50.6	55.0	57 . F	57 . E	57.6	57.6	57.3	37.5	*A . 2	5/ • 2	7	56.0	58.2	1 = .
≥ 9000		46.	55.7	57.1	58.9	38.9	58.9	34.0	\$2.9	53.9	50.7	59.3	5 3 2	. v	2	· · ·
≥ 8000		45 € 6	57.4	57.2		61.3	51.0	41.0	61.0	61.5	61.3	4 1 . 4	/s1.4	61.4	61.4	£ 1 .
≥ 7000		44.3	5 . 2	6	61.7	51.7	61.7	61.7	u1.7	51.7	62.1	42.1	: 7 • 1	52 . 4	57.1	42.
≥ 6000		∴ € • 4	37.8	5. •6	€ `• ₺	6.2 . 1	62.3	€2.0	0 Z .P	27.5	65.1	14 7 . 1	∴ ₹•1	63.4	03.1	63.
≥ 5000		2.5	61.4	52.0	64.	54.5	64.9	64.9	64.5	50.0	5	KE . 3	46.3	55.3	62.3	45.
≥ 4500		12.1	61.7	63.1	44.	65.3	65.3	15.3	u5.8	65.3	. 6	67.00	6.5.4	65.	65.6	55.
≥ 4000		, 3 • e	61.7	63.1	64.4	1.5 + 3	65.3	65.3	60.0	65.3	55.0	\$ 5.6	6 . 6	65.00	45.45	16.
≥ 3500		3 • 3	٠, ٠, ٠, ١	63.8	55	55.0	56.0	46.5	85.0	55.0	46.3	46.3	44.3	05.	65.3	54.
≥ 3000		4.3	43.5	64.9	67.7	67.3	6.7.4	4.7.4	67.4	67.4	67.7	£7.7	67.7	67.7	67.7	6.0
≥ 2500		4.9	54.2	65.6	68.1	-A - 1	69.4	1.8.4	6.3.4	54.4	67.9	63.8	00.0	5 A . €	65.0	63.
≥ 2000		5.7	55.6	67.4	77.2	70.2	70.5	70.6	70.4	77.06	7 9	77.9	7.0	7	73.7	71.
≥ 1800			66.7	56.4	71.3	71.7	71.6	71.6	71.4	71.6	72.1	7	77.	72.0	72.0	7:.
≥ 1500		57.0	62.8	70.6	73.2	73.9	74.1	74.5	74.5	74.5	75.2	7302	7 . 5	75.5	75.5	7.
≥ 1200			60.0	71.6	74.8	74.4	75.5	75.4	75.0	76.2	77.	77.	77.5	77.3	77.3	77.
≥ 1000		5.4	7 1.0	75.2	7 " . 7	78 . 7	79.4	13.3	77.3	80.1	40.2	9 . 7	41.7	81.2	11.0	-1.
≥ 900		: ' • i	7.7.	75.2	7:: . 7	78.7	77.4	77.5	7	30.1	* * 5	4.7.2	F1.2	-1.7	41.7	1.
≥ 900 ≥ 800			73.4	76.6	37.9	40.7	K1.0	1.0	1.	82.3	48.0	63.0	03.3	63.3	63.7	2.
≥ 700		• 4	75.8	77.7	81.7	1.2	52.3	*2.6	1 . t	43.0	. 4 . 0	34.0	: 4 <b>.</b> 4	48.4	54.4	3.
≥ 600		1.1.	74.5	77.7	81.9	1.9	63.3	43.7	F3.7	84.4	43.5	85.5	15.8	65.3	.6.?	70.
≥ 500		11.0	74.6	76.0	83.	3.7	E4.4	34.8	<b>∂4</b> • 9	35.5	45.5	86.5	45.7	86.7	.7.2	37.
≥ 400		-1.0	74.4	73.7		.a.j	35.4	16.9	37.7	27.9	37 ·	69.3	37.4	89.4	89.7	7 .
≥ 300		1107	74.7	70.1	24.0	75.1	67.2	, A. 3	93.7	97.4	7 .4	♦::♦	4 A	90.0	91.1	£ 2 .
≥ 200		11.0	74.9	74.1	64.3	45.1	87.6	30.4	30.7	06	97.9	92.9	97.6	23.€	94.	6 4 a
≥ 100		1.1	74.9	77.1	54.0	35.1	47.6	49.7	97.1	31.3	94.3	14.3	75.1	76.1	97.3	¢ 4 .
≥ 0		1 • i • d	70.	17.1	34.8	65.1	87.6	30.7	20.1	21.6	74.3	94.3	75.1		77.0	1 100

TOTAL NUMBER OF OBSERVATIONS 232

### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST	ATUTE MIL	ES)			-			
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/4	≥ 2	≥ 114	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000		37.2	47.7 5a.€	54.7	51.5 53.2	1.4	51.4	11.4	51.5	51. e 53.2	51.4	51.4	*1.4	51.4 58.2	51.4 58.2	· 1 ·
≥ 18000 ≥ 16000		3.4	50. 56.	55.7 56.7	54 . 2 58 . 3	18.2	58.2 58.2	58.2 58.2	52.2	5 ₹ 6 2 5 3 6 2	15.7	5 0 • 2 5 0 • 2	57.2	50.2 53.0	50.7 53.2	5 ( a 2 5 a 2
≥ 14000 ≥ 12000		4.4	50.4 57.1	57.1 57.4	59.5 59.2	58.5	58.3 58.2	7 8 • 3 9 • 2	· A . ·	50.5	c	55.5 37.2	57.5	54.5 59.7	اگو ۾. <u>2 هوڙ</u>	1.1.1 10.7
≥ 10000 ≥ 9000	,	57.5	60.7	61.0 61.0	£2.4	42.4	62.4	12.4	67.4	62.4 62.4	07.4	62.4	12.4	52.4 52.4	67.4	50.0
≥ 8000 ≥ 7000	· ——	13	63.1	64.2	54.7	64.2 65.6	54.2	74 . Z	54.2	64.2 65.4	54.2 55.5	44.7	15.6	65.0	64.2 65.5	54.2
≥ 6000 ≥ 5000		1.	5 7 . P	-4.5 64.9	60.0	#3.03 # <b>6.</b> 03	66.0	-6.0 56.3	56.00 15.3	56.3 56.3	56.7	66.0	66.0 <u>86.3</u>	56 . 66 . 3	56.	55.0 (1.00)
≥ 4500 ≥ 4000		7 1 a c	54.2 54.5	65.3	65.7	66.7	66.3 50.7		56.3	66.7	50.7	66.7	56.3	56.3	56.7	20.7
≥ 3500 ≥ 3000		-1.7	55. Y	66.3 53.5	77.2	67.4 70.2	67.4 77.2	77.4	7.4	7: . 2	67.4	67.4 7".2	77.4	67.4 70.2	70.2	7:02
≥ 2500 ≥ 2000		10.5	79.5	73.6 75.9	77.3	72.3	72.5	72.0	77.0	77.3	77.3	77.3	77.0	77.3	72.	77.
≥ 1800 ≥ 1500		-4.1	73.2	76.4		73.0 53.3	78.0 83.3	75.0 03.3	78.7		83.3	33.3	7141	70 33.3	77.	3
≥ 1200 ≥ 1000		75.9	31.6 83.	34 • .) 25 • 8		5.8		~5.8 47.9	37.0		45.5	25.4 27.3	23.7	35.E	85.3 88.3	1600
≥ 900 ≥ 800		77.1			4. 9	58.3 50.8	99.3	Tl.1	Fa.2	71.5	88.7 51.5	8 	46.7	82.7 91.5	68.7 51.5	€6.7 91.0
≥ 700 ≥ 600		73.4	85.5 85.2	97.4	91.F	91.1	92.6	32.9	92.4	4 3	93.6	97.2	23.6	43.6	92.2	-3.0
≥ 500 ≥ 400		78.7	85.2	25.4	92.0	52.2 03.3	93.3	93.6 95.0	95.0	. 9 4 . 4	94.3	94.3	76.1	96.1	36.1	34.1
≥ 300 ≥ 200		75.7	86.2	95.1	93.3	73.6	95.0 95.0	75.7 76.5	95.7 66.8	27.2		78.6	77.6	78.0		
≥ 100 ≥ 0		78.7	86.7	9 . 1	93.7	3.6	05. 95.	15.5	76.5	;	94.9	91.9	99.7		,	99.1 130.

TOTAL NUMBER OF OBSERVATIONS	٠.

DIRNAVOCEANMET

### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	SIBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 1¼	≥ 1	2 %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000		7 <b>1 .</b> □	54.3	55 a	50.0	, o	20.3		. β . ₹ . β . ₹	55.5 53.5		45.3		10.	15.3	1
≥ 18000 ≥ 16000		3200	57.2 59.5	57.9	6 . 3	19.6	50.9 50.5	: " • 6	6	5 • 3 6 • 5	50.5 50.5	50.3 40.	5° • 3	57 • 1	6.7.6	4
≥ 14000 ≥ 12000		\$3.2 10.6	51.0 63.5	-1.7	61.	64.5	61.7	62.1	12.41 n*•9	AC.1	50 a 1 64 a 7	02.1 64.0	65.1 €4.3	64.7	77.1 54.5	7 Ma
≥ 10000 ≥ 9000		1.4	64.5	65.6	65.5 65.5	5.6 5.6	45.6	05. 66.3	53.6° 66.6°	100 580	56 + " 55 + "	66 e 2	1 6 • 7	.6 •	08.	16.
≥ 8000 ≥ 7000		2, 5 o c	55.7 67.0	50.1	57.7	58.1	67.7	58.1 55.4	50 • 1 • : • 4	0 % a 3	65 . 4 58 . 4	5 6 3 4	5 2 . 1	53.1	6.3.0	* • 1
≥ 6000 ≥ 5000		. 4 . 7	67.7	60.A 70.2	67.5	68.8	63.8 70.2	70.8	70.0	69.7	7	71.00	7	69.7 7:	79.7	* * * *
≥ 4500 ≥ 4000		67.4	33.5	70.0	70.9	70.9	77.9 72.0	77.3	77.7	71.3	73.7	77.5	71.7	71.3	71.7	71.7
≥ 3500 ≥ 3000		12.9 "il-u	70.0		73.5	75.7	73.4	73.9 76.0	73.0 76.6	77.0	73.2 72.5	73.3 75.5	77.5	75.5	75.0	7
≥ 2500 ≥ 2000		15.6	79.8	77.0	77.7	77.7	77.7		7 - 6 4	7: •4	7 . 4	75.4	70.4	70.4	73.44 53.65	7
≥ 1800 ≥ 1500		7.5	8 .5	12.5 15.1	83. 85./	-3.0 -3.8	8 ₹.0 #5.5	13.7	37.7 20.5	17.7 00.05	83. 85.5	ST.7 Phas	8 <b>7 . 7</b>	33.7 26.5	83.7 25.5	
≥ 1200 ≥ 1000		1 . 2	31.1	47.2	47.9 29.7	27.0 99.7	67.7	•	<b>7</b>	65.7	ξ.4.7 (γ.1.6)	23.7		5d.7 />•4	€ M . 7	8 7 g
≥ 900 ≥ 800		2.3	86.4 80.4	' ' '	#	30.4 3.3	97.5 94.3	14.5 15.0	11.5	91.5	71.5	91.5 95.3	71.3	71.5 45.	93.5 55.	
≥ 700 ≥ 600		u , a	67.7 9 •1	92.6	74 • 3 94 • 7	34.0 4.7	17 C	^6 • £	୍ଧ୍ୟ • ୬ ଜୟ• •	96.1 36.8	\$4.1 97.2	25.1	5.1	17.2	97.7	37.
≥ 500 ≥ 400		4 . 1	9.4	54.	95.4	₹\$. 35.4	96.5	07.9	¥7.6	93.2	90.0	94.9	34.9		09.0	37.
≥ 300 ≥ 200		4.0	200	14	95.4	5.7	97.2	79.6				37.3	1 ,7	100.0	19.7 100.3	1 ^ •
≥ 100 ≥ 0		4 . 3	90.4 95.4	1 -4 - 5	95.7 95.7	35.7 5.7	97.5				1 ~ 1	99.7	, • .	1.	160.0 100.0	

TOTAL NUMBER OF OBSERVATIONS

#### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/5	≥ 2	≥ 11/2	≥ 1%	≥ 1	≥ ¥	≥ %	≥ %	≥ 5/16	≥	≥ 0
NO CEILING ≥ 20000		1	5.	7.2 5.9.4		ა <b>გ.</b> ? ამაბ	54.0 01.0	5.3	39.7 51.4	45.3	15.0 51.4		1.1.4	41.4	01.4	1.4
≥ 18000 ≥ 16000		3 • 3	97.8 52.5	50.6	5 . 3	70.3	61.5	1.7	- i - 4	51.4 51.4	51.4 51.4	61.4	~1.4	:1.4	1 .	11.
≥ 14000 ≥ 12000		F / . 1	5 . a	41.0	61.7	61.7	() 2 . 4 () 4 . 5	42.5 94.9	64.2	52.0 64.9	67.7 54.7	57 . 5 54 . 7	64.5	8.0° °	68.0	
≥ 10000 ≥ 9000			57.1 54.2	64.5 65.1	\$5.7 \$5.47	.5. 3 55.0	66.3 65.7	67.2		57.4	55.7 57.4	65.7 67.4	16.7	66.7	15 . 7 6 7 . 4	7ء جاء الوائن
≥ 8000 ≥ 7000		5 • 1	57.4	# 6 <b>. 4</b> € 5 • 3	67.2	69.2 ().5	70.2	70.2 70.6	70.7	7 .6	7 . 5 7 . 6	77.0	777.00	7 • 1.	7~.:	7
≥ 6000 ≥ 5000		3.3	5 ' 4 6 " 7	61 • 3 39 • 2	6.5.	60 . 1 69 . 4	70.2 70.5	ាំង«៤ វាយ-ទ	73.5 73.9	77.0	71.1	7 . 9	7 .4 71.5	71.2	7"	; ; ; ; <u>; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;</u>
≥ 4500 ≥ 4000		4.7	77.7	72.0	7:09	)	71.5	72.0 73.8	77.0	??.3 74.1	77.3	77.1	-+•1	72.2	77.3	7
≥ 3500 ≥ 3000		5 % 4	77.5	71.0 74.5	75.3		75.2 75.9	75.5 76.2	75.5	75.9	75.9 76.6	75.5	76.5	1		7
≥ 2500 ≥ 2000		35.5   <b>31.</b> 3	74.1	7 .9	i	76.	77.3	*7.7 *1.2	77.7 71.7	74.3 31.6	71.5	7%. 61.0	1.6	75.	7:. 1-6	, 
≥ 1800 ≥ 1500		11.3	76.6		9 .1		ზე.ი მე.ი	3	31.7	91.5	1	31.6 33.7	71.5 47.7	l	51.5	3 • 2
≥ 1200 ≥ 1000		3.4	79.3		95.5	:5.5	35.1 36.9	77.7	55.5 57.2	95.8 97.9	65.3 87.9		57.9	25.3	25.4 97.7	3
≥ 900 ≥ 800		16	41.6	45.8	39.3	76.2 18.7	67.2 90.1	7.5	* 1.4	3 • جرر 1 • 1 ت	1.1	91.1	71.1	91.1	91.1	33.1
≥ 700 ≥ 600		75 • 5	94.0	37.2	89.7	13.4	91.4	92.2	77.2 93.6	93.3	65.3	92.9	/7.7	33.5	:2.3	
≥ 500 ≥ 400		77.7	85.5	17.4		1.8	94.5		5 to 5	95.4	97.4	95.4	07.5	37.5	57.5	97.
≥ 300 ≥ 200		700	36.7	39.7	97.9	43.3	95.7 96.1	76.1 ₹6.5	95.7 96.5	97.5	45.9	99.5	47.9	97.0	97.3	97.9
≥ 100 ≥ 0		71.	80.3	99.7	1	3.0	98.1 98.1	15.5	20 <b>0 5</b> 2 <b>6 0 5</b>	00 0 d	99.1 94.3	99.3			100.0	1 °

TOTAL NUMBER OF	OBSERVATIONS	•

### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 114	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ 5	≥ 0
NO CEILING		18 5 . 4	5 . 7	1.1		2	34.6	3 • 2	-5.	95.5	75.3	5.3	7.3		1	1.34
≥ 20000		4:05	3	54.6		30.7	50.	1.5		* •			۲, ۲, ۲, ۲			<u> </u>
≥ 18000 ≥ 16000		40 a to		54.6 54.6	50.4 30.4	56.7 35.7	58.2 58.2	5 . 5		v . • v . •	ئەد: ھىرد	5.1 <b>.</b> 0	1 - 9		39.9	( † † • ∳   • * • †
≥ 14000 ≥ 12000		1.1	55.C	5 . 3 5 7 . 1	5:01	17.5	52.9	9.2	1.7	5 - e	50.1 e1.4	1.6	10.6	: 7.5 -1.4	, , ,	
≥ 10000 ≥ 9000		3.3	5	55.9	67.8	1100	63.5	17.1	13.1	3.0	67.3	63.4		. و د ۱۰	1.7.	
≥ 8000		•	5 . 5	*;.9	62.5	4 1 1	54.2	4.2	19 14 a 7	_1	60.0	C	, .t.		-	•
≥ 7000		4 ,	51.0	1.7	673	43.3	75 · 3	* \$ • ?	. C. a	56.0	64.3	60.3			160	
≥ 6000 ≥ 5000		5.5	52.5	40.4 ∪2.5	45.3		55.0	67.7	66.7 6 . 7	63.1	6 ° • 5 0 3 • 1	57.3 € 1.1	67.5	e7.	t-7.	
≥ 4500 ≥ 4000		17.5	64.5	5 m • 9 € 5 • €	56 . 7 6 ° . 1	67.	7 .6	71.3	73.7	71.0	66.5 71.5	72.0	71.5	17.5	50.5 71.5	, .
≥ 3500 ≥ 3000		7.0	5 . 7	26.7		12.3	71.	74.5	72. ** 74. **	77	74.4	4 .		74	7 1 7	
≥ 2500 ≥ 2000		1.0	60.0	₹₹.₩	77.4	75.	7: .:	75.9		74, 4		76.2	7 2	7	76	· <del></del> · · · · ·
≥ 1800 ≥ 1500		1	5 . 1	77.0	75.0		7 7 . 7		* .4	7.7	7/ .7		7 . 7	7: 7	70.7	7
≥ 1200 ≥ 1000		3 . 1	70.5	73.1		7.5	73.1		70.	3 • 1	• 1	• 1			1	
≥ 900 ≥ 800		5.1	70.0	73.1	77.7	78.	77.4	. 1	1.1	•	3	- 3 - 3				
≥ 700 ≥ 600		9.0	77.3		9.	3 4 5	6.2		27.7		r: •?	1 ( 2	14.7	17.5	5.0	
≥ 500 ≥ 400		6.	77.5	75.0	36.4	4	30.7			4 . 1	3	. 3	. 4	1 5 . 3 57 . 4	2.3	7
≥ 300 ≥ 200		16.1	74.5	7 . 7		6.5	9. 1	1.3	91.	73.0	4 4	, u , 7	72.3	64.3	94. 98.5	
≥ 100 ≥ 0		· ( • 3	71. 4		80.5	6.	9 ;	92.5	92	4 . 7	6.1	55.1	7.2	90.4	26.0	

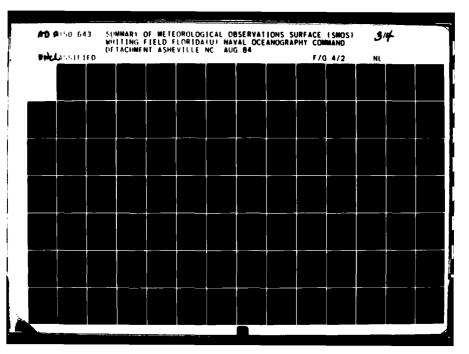
TOTAL NUMBER OF	OBSERVATIONS	

### **CEILING VERSUS VISIBILITY**

PERCENTAGE	<b>FREQUENCY</b>	OF	<b>OCCURRENCE</b>
(FROM I	HOURLY OBS	<b>ERV</b>	ATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MII	LES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 11/4	≥ 1%	≥ 1	≥ ¥.	≥ %	≥ %	≥ 5-16	≥ 4	≥ 0
NO CEILING ≥ 20000		. 3 . 1	42.5	• !	100 e 1	1.5	1.		1.	11.0	11.7	1.7	1	1.	1.	
≥ 18000 ≥ 16000			5.7.3	' "	51.0	5.5	57 ( 35 )			٠.	U4.7	5 . 7	* 4. • 1			
≥ 14000 ≥ 12000			5 . 0	4.5	51.0 37.0			7		~ / • 1	7 <b>7</b>	· 7. 3	7.0	7.	1.	
≥ 10000 ≥ 9000		1	.5 5.5€€		5		0 . 1	, r. 1 a 1	1.1			101	1.7	21.	1.	
≥ 8000 ≥ 7000		7	5 · . %	7	5.3	1.0	6.3 • 3 5.7 • 3	/ f . 1			¥ , =	3.4	17,6	13.		•
≥ 6000 ≥ 5000		3.1	3 1 6 1 - 1		ي . و به ر	3.5		**** * 2.	3 - 6	0 4 4 6	√5. 74.1	7 ( •				
≥ 4500 ≥ 4000		-	61.7	9.7		-5.2 -6.3	57.1	7.6	5 a 4	1. C. a.s.	6.6 X	1 6 . 1 6 7 . 1	•	<i>i I</i> •	- '	
≥ 3500 ≥ 3000		7.	67.7	. , . 4	!	17.	,,		1. 1. h	1)	:		~ · ·	1.	6.7	- 1
≥ 2500 ≥ 2000			6	71.5	• • •	73.0	71.	11.5	71.	7	77.4	7	,		*	-
≥ 1800 ≥ 1500		3.5	7 . 7		74.	4 ?	77.7	,	7	7	71.1	7 1	,	76.	7-•	
≥ 1200 ≥ 1000		4.	71.0	77		77.2	77.7	3	7		. 1	• 1			•	
≥ 900 ≥ 800			77.1	7	75.4	1.7	51.0	۱. ۲. ط		• :		7 . 4	• •	• .		•
≥ 700 ≥ 600		i. • i	7 7	77.5	# 1 • \$	3.5	.4. ~i	· . i	,	~	. 7	1	• !			
≥ 500 ≥ 400		7.1	74.6	1.	. 1		•	- • · ·			2 . 6	1.1	7	1.		•
≥ 300 ≥ 200		51.0		0.00	30 . ₹ 35 . • ₹	5.7	3.00	1 . 1	1.7	• 1	, ~ . ?	• 7	1 1	• ;		
≥ 100 ≥ 0			71.	3	. 7	7		`• : · _ ^	"。;			. 4				

TOTAL NUMBER OF OBSERVATIONS





MICROCOPY RESOLUTION TEST CHART

STATION NAME

#### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ s	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ 4	≥ 0
NO CEILING ≥ 20000		75. ·	57.7	41.6 46.5	43.0	43.	44.5	44.5	49.4	95.9 50.7	45.R	45.8	41.5	45.3 51.5	46.5	47.1
≥ 18000 ≥ 16000		31.5	44.2	45.5	49.4	48.4	49.6	49.4	47.4	50.7 5:.7	50.7	50.7	51.6	51.0	51.6	7.2.3
≥ 14000 ≥ 12000		11.5	44.5	45.R	43.7	48.7	47.7 50.3	40.7	49.7 FD.3	51.6	\$1.0 51.6	51.0	51.9	51.9	51.4	52.4
≥ 10000 ≥ 9000		12.9	40.5	44.7	50.7 57.7	50.7	51.6	1.6	51.6	52.9	52.9	52.9	53.0	53.9	5 7.0 5 3.7	54.5
≥ 8000 ≥ 7000		44.5	4 5 . 1	70.3 51.7	52.5	52.9	23.9	53.0	54.2	55.2	55.2	55.2	54.1	50.1 50.5	56.1	E 7.1
≥ 6000 ≥ 5000		45.2	45.7 50.7	51.0	53.7	53.6	54.8	56.8	54.3	56.1	5 - 1	56.1	57.1 59.0	57.1	57.1 59.0	57.1
≥ 4500 ≥ 4000		47.4	51.3	63.6 53.6		56.5	57.4	57.4 57.7	57.4	58.7	50.7 59.	58.7	67.7 67.8	59.7 60.0	59.7	63. 50.
≥ 3500 ≥ 3000		47.8	51.6	53.9 54.8	56.5 57.4	56.9	1	9.4	5 1 59 - 4	50.8	59.4	50.4	67.3	57.3 51.6	50.3 61.5	
≥ 2500 ≥ 2000		48.	55.8	55.5 56.4	51.3	58.4 51.6		63.6	53.5 53.6	61.3	64.5	51.3	52.3 55.8	62.3	62.3	66.5
≥ 1800 ≥ 1500		10.5	54.8	9.9.4 5.7.1	61.6	61.7		63.0	63.9	63.2	65.2	65.2	66.1	56 - 1 68 - 1	65.1	66.5
≥ 1200 ≥ 1000		11.0	57.7 58.7	61.7	64.2	64.5		56.4	55.6 68.4		55.1	69.7	62.P	69.0 70.7	69.0 70.7	71.
≥ 900 ≥ 800		71.5 52.3	59.7	63.9	65.9	16.5		58.4 70.7	68.4 70.7	69.7 71.7	60.7	69.7	77	70.7	70.7 72.9	71.
≥ 700 ≥ 600		3.2	62.3	65.3	70.0	70.7	72.6	72.9	72.9	74.2	74.2 75.8	74.2	* × • 2	75.7	75.2	74.6
≥ 500 ≥ 400		3.	64.2	71.0		76.5		19.4	79.4 32.6	31.0	21.0	51.0 64.5	41.5 55.5	31.9	81.9	22.4
≥ 300 ≥ 200		C. 4 . 5	65.5	73.2	79.4	40.3	83.6	24 . 2 95 . 2	84.2		87.4	87.4 P7.0	88.4 90.0	58.4	90.3	89.
≥ 100 ≥ 0		34.5		73.2			84.5	*5.2	85.7		87.7	35.7	31.9	31.9	92.4	97.9

TOTAL NUMBER OF OBSERVATIONS

#### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) CEILING (FEET) ≥ 1% ≥ 5/16 NO CEILING 35.7 36.1 47.0 42.6 3 . . 1 42.4 43.5 44.5 ≥ 20000 ≥ 18000 ≥ 16000 74. 47. 44. 47.7 47.7 34. 43.2 46.0 46.0 43.5 45.2 ≥ 10000 ≥ 9000 45.1 46 . F 51.00 99.7 11.4 ≥ 8000 ≥ 7000 30.0 51.9 51.9 98.7 13.3 51.9 52.0 43.5 ≥ 6000 ≥ 5000 51.9 54.5 53.5 40.4 51.3 55.2 :2.3 53.7 54.9 55. 55.5 52. 3 53.9 54.5 52.3 53.9 34.2 53.8 57.8 57.7 ≥ 2500 ≥ 2000 55.2 56.8 57.7 57.7 58.4 58.7 14.5 58 . 1 0000 61.0 51.0 51.6 61.9 61.7 54.0 57.4 57.1 61.0 61.3 61.3 61.4 62.3 62.3 63.2 ≥ 1800 ≥ 1500 58.4 5D.3 51.0 \$5.5 65.5 66.1 66.5 57.4 57.4 64.2 46.5 69.5 65.8 65.8 66.5 66.6 67.7 65.8 67.1 67.1 67.7 68.1 63.1 67.0 61.9 37.1 61.7 ≥ 1200 ≥ 1000 50.4 52.4 63.2 55.7 62.6 63.4 66.1 59.4 63.5 54.5 67.1 67.4 67.4 68.1 68.4 63.4 67.4 69. 71.3 71.3 71.9 72.3 72.3 73.2 65.1 47.1 72.0 73.9 74.2 74.2 75.2 75.7 76.1 76.5 76.5 77.4 77.7 78.7 79.0 79.0 30.0 67.7 71.3 73.6 75.2 77.4 62.6 67.7 58.7 17.7 71.0 73.9 79.5 \*1.U 01.0 92.3 82.0 82.0 83.6 93.6 93.6 94 \$ 9.4 65.5 71.9 66.1 84.5 42.3 36.5 13.6 13.6 72.3 06.5 56.8 86.8 BP.7 54.7 81.3 ₹3.6 87.0 67.4 89.4 89.7 91.5000

TOTAL NUMBER	OF OBSERVATIONS	i 1

### **CEILING VERSUS VISIBILITY**

AHI'I S FIELD, FL

(

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING			-				VIS	IBILITY (ST	ATUTE MIL	ES)	<del></del>					
(PEET)	≥ 10	≥ 6	≥ \$	≥ 4	≥ 3	≥ 21/4	≥ 2	≥ 11/4	≥ 1%	≥ 1	≥ %	≥ 46	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING	_	.7.5	24.1	25.7	30.1	36.5	31.3	31.3	31.3	33	32.5	32.6	32.0	32.7	33.0	34.5
≥ 20000		74.5	21.4	31.0	32.4	12.0	33.7	34.2	34.2	35.5	35.8	35.8	36.5	36.5	37.4	*8.7
≥ 18000 ≥ 16000		34.5	20.4	31.5 31.9	32.0 32.0	32.5	33.7 33.7	34.2	34.7	35.5 35.5	35.8 35.8	35.8 35.9	35.5 35.5	36.5 36.5	37.4 27.4	34.7
≥ 14000 ≥ 12000		24.5	24.4 30.0	31.0	37 . 4 34 . 5	12.9	35.9	74.2 75.5	34.2	35.5 37.1	35.8 37.4	35.8 37.4	35.5	36.5 38.1	37.4 39.0	37.7
≥ 10000 ≥ 9000		27.7	31.9	34.5	36.0	36.5	37.4	37.7	37.7	39.	30.4	14.4	41.3	40.0	41.0	42.3
≥ 8000 ≥ 7000		72.3	35.4	79.4	41.4	43.2	43.6	47.2	43.2	44.5	45.3	45.2	47.7	45.7	45.8	43.1
≥ 6000 ≥ 5000		35.2	41.3	43.9	44.5	44.5	45.3	46.5	45.5	47.7	57.7	50.0	44.0	50.7	50.0 51.6	51.3
≥ 4500 ≥ 4000		17.1	41.6	44.2	45.5	47.7	49.1	48.7	48.7	5.00	50.7	50.7 51.6	1.3	52.3	£2.1	55.6
≥ 3500 ≥ 3000		76.1	# 3 · 6		50.3	44.7	5.1.0 51.0	2.6	51.7	51.7	52.6	52.6	53.2	55.5	54.2	57.7
≥ 2500 ≥ 2000		40.1	46.1	50.3	51.0	3.6	52.5	55.9	55.0	55.5	55.1	55.1	56.8	50 . R	57.7	61.5
≥ 1800 ≥ 1500		41.6		50.7	53.7	33.0	55.2	56.5	55.6	56.7	59.4	54.4		63.5		62.3
≥ 1200 ≥ 1000		.4.5	50.7	54.2	57.7 63.0	56.4	50.0 67.3	53.9	63.0	63.6	64.2	64.2	64.8	64 . 8		67.i
≥ 900 ≥ 800		4 . 5	52.9	56.4	60.0	62.6	62.3	43.0 65.1	55.0	55.4	67.1	67.1	57.7 70.0	70.3	69.	78.3 72.6
≥ 700 ≥ 400		4.5	53.2	56.1 55.4	62.6	63.2	65.5	67.1	67.1	69.4	77.3	70.3	71.0	71.3	72.3	74.6
≥ 500 ≥ 400		45.5	5 ° . 8	6 7	55.2	^6 · 1	71.6	1.3	71.7	73.6 76.P	74.5		74.2	75.9 79.4		7: . 1
≥ 300 ≥ 200		45.7	54.2	62.3	65.4	70.0	73.9				61.5	*1.J	11.9	82.6	83.6	84.12
≥ 100 ≥ 0		*6.1	54.9	62.9	69.7	70 · 7	75.5	72.1	72.1	32.0	33.9	83.9	96.1	86.8	66.1	

TOTAL NUMBER OF OSSERVATIONS

DIRNAVOCEANMET

### **CEILING VERSUS VISIBILITY**

97,41 19771.G FTLLO FL 75-62 WARD STATION BANK SOUTH

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T I

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
(PEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥1	≥ %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000		54.5	3 . 4	33.7	39.4	39.4	35.4	39.4	39.4	39.4	37.4	39.4	39.4	39.4	43.4	37.7
≥ 18000 ≥ 14000		3	42.3	42.6	43.2	43.2	43.2	43.2	43.2	. 3 . Z	43.2	43.2	41.2	43.2	43.2	45.6
≥ 14000 ≥ 12000		38.7 35.7	42.6	42.9	43.6	43.6	43.6	43.6	43.5	45.6	43.6	43.6	43.6	43.6	43.5	47.5
≥ 10000 ≥ 9000		1.	45.5	45.8 45.3	45.5	46.5	46.5	46.5	46.5 46.5	46.5	• 6 . 5 9 6 . 5	46.5	46.5	46.5	46.5	46.5
≥ 8000 ≥ 7000		44.5	41.0 30.7	47.6	50.0 51.6	31.6	50.0 51.6	*0.8 51.6	50.1 51.5	50.3 51.6	57.0 51.6	50.0 51.5		51.6	50.0	F11 • 1
≥ 4000 ≥ 5000		97.7	51.6	52.3	52.9 54.5	12.9	52.9 54.8	54.9	57.0 54.8	52.5	52.0 54.8	52.9 54.8	54.0	1	52.9	53.2 55.2
≥ 4500 ≥ 4000		47.7	57.9 54.2	54.2 55.5		5.2	55.2 56.3	55.2 56.8	55.2 56.8	55.5 57.1	55.5 57.1	57.1	55.5	45.3 57.1	55.5 57.1	53.4
≥ 3500 ≥ 3000		4.5	5 % • 2 5 6 • 1	57.4	50.9	56.8 9.0	56.8 39.0	56.8 54.0	56.4	57.1	57.1	57.1	57.1 59.4	57.1	57.1 57.4	59.7
≥ 2500 ≥ 2000		53.2 55.3	55.0 62.3	69.3	61.0	61.7 45.2	61.0	61.9 65.5	61.	52.6 65.1	67.6	62.6 55.1	65.5	62.6	62.6 66.5	62.5
≥ 1800 ≥ 1500		€ • 1 € • 0	62.9	64.2	65.8 71.3	65.0	66.1 71.6	46.1 71.6	66.1 71.5	66.8 72.3	66.8	12.3	67.1 72.6	72.5	67.1	57.4
≥ 1200 ≥ 1000		2.6	6 · • 7	71.0		72.5 75.6	72.9 76.1	72.9	77.4	73.6 76.5	73.6 76.8	73.6		73.9 77.1	73.9	74.4
≥ 900 ≥ 800		52.5	71.3	74.2 79.4		76.1	76.5	76.5	76.5 21.9	77.1 *2.6	77.1	77.1	77.4	17.4 82.5	77.4 82.4	77.7 55.2
≥ 700 ≥ 400		26.1	77.4	81.0		53.6 5.2	97.0	24.2 25.8	P5 . 0		36.5	46.5	44.7 56.8		65.2	97.2
≥ 500 ≥ 400		67.1	74.7	44.2 45.2		29.0	90.0		35.4 32.5		91.3	99.0	91.6			29.10
≥ 300 ≥ 200		58.1	30.7	95.8	90.0	29.7	17.7	74.8	94,3	96.5	94.8	97.1	97.7	97.7		98.1
≥ 100 ≥ 0		58 . à	80.7	96.8	1	1.3	73.6	35.2 5.2	7.1		96.4	79.7		30.4		99.1 160.0

#### **CEILING VERSUS VISIBILITY**

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (SI	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21%	≥ 2	≥ 1%	≥ 14	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1	40.7	41.0	41.3		41.3	41.3	41.3	41.3	41.3			41.3	41.7	:	41.
≥ 20000		49.4				°9.3		°Q.3	50.3	50.3			27.3		20.3	7 . 7
≥ 18000		49.6		.0.3		50.3	50.3	50.3	40.3	5 U = 3		50.3	50.3		59.3	• `
≥ 16000		45.4	5 1.1	50.3		0.3	57.3	50.3	57.5	50.3	50.3	40.3	53.3		50.3	•
≥ 14000		45.7	5 . 3	55.7	50.7	53.7	50.7	57.7	50.7	50.7	57.7	50.7	50.7		50.7	50.7
≥ 12000		5.	51.0	51.3	51.3	51.3	51.3	51.3	31.7	51.3			51.3	1.3	51.3	1.
≥ 10000		1.5	\$2.5	52.9	52.9	>2.7	52.9	52.9	57.4	32.9	57.9	52.9	52.9	52.0	* * * *	4.7.0
≥ 9000		2.3	57.4	33.2		53.2	53.2	53.2	53.2	33.2	53.2	53.2	5 1 . 7	53.2	53.2	• • •
≥ 8000		46.1	57.1	57.4		37.	57.4	57.4	57.4	57.4		4.	57.4		57.4	57.4
≥ 7000		57.7	56.0		59.4	59.4	57.4	59.4	50.4	50.4		59.4	50.4	30.4		59.4
≥ 6000		* R a u	2 3 - 7	50.0	60∙0	€0.0	≱១∙ជ	40.0	60.3	5∵•⊓	<b>⊝</b> 0.∩	60.0	60.0	\$C.0	60.T	N3 . C
≥ 5000		57.4	60.7	61.0		11.0	61.0	61.0	61.0	61.0	61.0	61.7	oi.	51.3	61.0	11.
≥ 4500		61.0	62.4	62.6	62.6	62.5	62.6	62.6	62.4	67.0	62.6	62.6	62.6		62.5	84.6
≥ 4000		61.9	63.2	63.6	63.6	:3.6	63.6	43.6	33.5	53.4	63.4	63.6	67.6	53.6	63.5	6 3
≥ 3500		62.00	63.7	54 • 2	64.2	64.2	64.2	64.2	V+*5	64.2	64.2	64.2	64.2	64.2	64.2	€, 44 m €
≥ 3000		45.8	67.1	67.4	67.4	67.4	67.4	67.4	67.4	87.4	67.4	67.4	47.4	67.4	57.4	57.4
≥ 2500		58.1	70.0	79.3	7 . 3	70.3	70.3	79.3	73.7	77.3	70.3	77.3	70.3	70.2	70.3	77.
≥ 2000		72.9		75.8	75.a	75.0	75.8	75.8	75.	75.4	76.1	74.1	75.1	76.1	76.1	76.1
≥ 1800		72.9	75.5	75.8	75.3	75.8	75.5	75.8	75.8	75.4	76.1	76.1	76.1	76.1	76.1	75.1
≥ 1500		78.7	81.	52.£	85.0	77.9	42.9	95.9	82.9	82.9	83.2	33.2	93.2	23.2	83.2	5.50
≥ 1200		67.7	84.8	#5.8	84.01	16.1	34.1	R6 . I	36.1	26.1	56.5	86.5	+6.5	86.5	86.5	06.
≥ 1000		73.7	&3.4	57.4	89.7	ಿರಿ≎	90.0	ಾಣ • ಣ	35.5	70.0	30.3	30.3	95.3	30.3	90.3	\$ ?
≥ 900		53.6	89.7	84.7	9! . 3	90.7	9.7.7	90.7	97.7	93.7	91.0	91.3	1.0	71.0	91.0	710
≥ 800		3.6	80.5	9.1.0	51.0	1.5	21.3	01.3	91.7	71.5	91.6	71.6	91.6	91.6	91.5	91.6
≥ 700		3.4	89.4	9 . 3	91.5	71.6	91.6	21.6	21.6	71.6	91.9	91.0	91.9	91.6	91.4	91.,
≥ 600		.4.5	90.3	91.6	92.9	93.2	93.2	93.2	95.2	95.2	93.5	73.6	95.6	93.6	97.5	23.4
≥ 500		15.5	91.5	92.6	94.5	194 . 6	94.5	94.8	94.8	75.2	95.5	75.5	95.5	45.5	95.5	35.05
≥ 400		- 5 - 5	91.9	93.6	76.1	96.5	96.5	76.3	96.5	96.8	97.1	37.1	77.1	97.1	97.1	97.1
≥ 300		-5.5	91.1	93.9		97.4	98.1	98.1	94.1	93.			99.4	49.4	99.4	09.0
≥ 300 ≥ 200		85.8	92.3	24.2	97.4	57.7	92.4	?3.4	94.4	95.7		99.7	49.7	99.7	99.7	99.7
≥ 100		~5.8	92.3	94.2	97.4	97.7	95.4	98.4					107.0	100.0	100.0	
2 0		×5 . 8		94.2	97.	97.7			-	98.7	-	. •		100.0	100.0	hoc.

### **CEILING VERSUS VISIBILITY**

STATION STATION AND STATION NAME STATION AND STATION A

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS ILS TI

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 14	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000		12.6	45.5 52.8	45.5	46.1	450 L	46.1	45.1	46.1 53.6	40 - 1 53 - 6	46.1	53.4	46.1	46.1	45.1	46.1 53.6
≥ 18000 ≥ 16000		2.6	52.9	42.9 52.9	53.6	53.0	53.6	53.6	51.6 53.6	53.6 53.6	55.6 53.6	53.6	53.6	53.6	53.4 53.6	53.6
≥ 14000 ≥ 12000		7 o f	53.9	53.9 54.5	54 o S	54.5	54.5 55.2	54.5 55.2	54.5	54.5 55.2	54.5	54.5	54.5	54.5	54.5	54.5 55.2
≥ 10000 ≥ 9000		57.1 57.4	57.7 56.1	58.1 53.4	55.7 55.0	58.7	58.7 59.0	59.7 59.0	58.7 39.0	50.7 50.7	58.7	59.7	58.7	58.7	58.7 59.1	59.50
≥ 8000 ≥ 7000		10.2	60.7	61.0	61.6	61.5	\$1.6 62.9	51.6 62.9	61.6	61.6	61.6	61.6	61.6 £2.9	61.6	61.6	51.5 52.2
≥ 4000 ≥ 5000		63.6	63.2	53.5 65.2	64.2	64 . 2 55 . #	64.2	14.2 05.8	64.7	64.2	64.2	64.2 65.6	64.2 65.8	64.7	64.2	64.2 65.8
≥ 4500 ≥ 4000		4.2	55.5	65.8 68.7	65.5	50.5	66.5	45.5	66.4	56.5	66.5	69.4	66.5	69.4	66.5	66.5
≥ 3500 ≥ 3000		67.4 75.5	69.0 71.5	59.9 71.9	70.0	70.0	70.3	70.0	79.0	70.9	70.0	72.9	70.0 72.9	70.9	70.0 72.9	77.0
≥ 2500 ≥ 2000	· · · · · · · · · · · · · · · · · · ·	73.2	75.2 80.0	7:.5	70.i	76.5	76.9	76.8	76.0	76.8	76.8	76.9	76.8 81.9	76.5 81.9	76.8	76.6 81.5
≥ 1800 ≥ 1500		77.7	97.0 83.9	50.7 55.2	81.3 36.1	30.3	81.9	81.9 66.8	86.8	81.7 86.8	\$1.9 \$6.8	86.8	86.8	81.9	81.9	81.9
≥ 1200 ≥ 1000		20.4	85.5	89.0	83 • 1 71 • 6	52.3	92.6	88.7	68.7 92.5		97.5	88.7 92.6			92.6	88.7
≥ 900 ≥ 800		15.8 16.4	85.4	91.0	92.3	92.9	93.2	94.5	94.5		99.5	93.2	93.2	90.5	93.2	93.2
≥ 700 ≥ 600		57.4	90.0 90.3	91.9	93.4	95.2		75.5	99.5	95.5	94.8	75.5	94.8	95.5	94.6	94.5
≥ 500 ≥ 400		37.4	91.3	92.8	95.5	98.5	96.8	97.7		96.8	98.1	96.3 95.1	97.1	97.1	97.1	97.4
≥ 300 ≥ 200		4.7 a 4	91.3	93.6	96.A	47.7		78.4	98.4	99.4				100.0	99.0 100.3	
≥ 100 ≥ 0		97.4	91.3	93.6 73.6	96.8 96.8	97.7	98.7 28.7	28.7	98.7 58.7	79.4	99.7	94.7 79.7		100.0		

TOTAL NUMBER	OF OBSERVATIONS	1

### **CEILING VERSUS VISIBILITY**

FYATION STATION BANG TITS FIELD, FL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T )

CEILING							VIS	HBILITY (ST	ATUTE MIL	ES)			<del>-</del>	<del></del>		
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ %	≥ 0
NO CEILING ≥ 20000		.2.3	43.6	43.0	4 7 . O	43.9	43.7	43.7	43.7	43.9	45.5	43.0	43.5	43.9		4
2 2000		77.03	54.5	54.5	54.8	54.6	54.5	4.9	54.5	54.8	54.8	54.8	54.8	Sa C	F4.9	\$ to a 3.
≥ 18000 ≥ 16000		73.2	54.5	54.8	55.2	55.2	55.2	55.2	55.7 55.7	53.2 55.2	55.2 55.2	55.2	53.2 55.2	55.2	55.2	55.2
≥ 14000		3.0	5:.2	1 2 . 2	50.5	45.6	95.5	55.5	55.	55.5	55.5	55.5	e e . g	55.5	51.5	35.
≥ 12000		6.4	36.3		857.1	17.1	57.1	57.1	57.1	5/.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 10000		10.0	61.7	61.9	64.5	-2.3	62.3	.2.3	62.3		52.3	62.3	67.3	1.20?	67.5	- 3
≥ 9000		u d	61.9	61.9	62.	62.3	.2.3	62.3	62.3		52.3	62.3	67.3	52.	₽2.3	3
≥ \$000		13.2	6 . 2	65.5	65 . A	65.3	65.3	65.8	65.0	65.3	65.8	65.8	61.3	65.6	65.A	05.5
≥ 7000		.4.5	66.5	66.4	67.4	67.4	67.4	47.4	67.4		67.4	67.4	6 7.4	67.4	67.4	67.4
≥ 6000		14.5	65.5	+6.5	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	17.4
≥ 5000		: 6 . 1	64.1	52.9	60.7	.9.0	69.0	+9.4	69.4	49.4	50.4	69.4	62.4	69.4	69.4	40.4
≥ 4500		17.7	69.7	70.0	79.7	70.7	70.7	71.0	71.0	71.	71.0	71.0	71.0	71.0	71.0	71
≥ 4000		59.0	71.3	71.6	72.3	72.3	72,3	72.06	72.6	72.6	72.6	72.5	72.6	72.6	72.6	
≥ 3500		1.7.4	71.6	71.9	72.6	72.5	77.6	72.9	72.0	72.7	72.9	72.9	72.9	72.9	72.9	76.5
≥ 3000		37.7	7.7. 3	72.6	73.2	73.2	3.2	73.6	75.6	73.6	73.6	73.6	77.6	73.6	73.5	73.et
≥ 2500		* *	73.2	73.6	74.2	74.2	74.2	74.8	74 . B	74.8	74.8	74.5	74.8	74.5	74.9	74.5
≥ 2000		74.7	77.1	77.4	78.1	78.1	78.1	78,7	78.7	75.0	79.0	72.0	75.4	70.4	79.4	70.4
≥ 1800		74.5	77.4	77.7	78.4	78.4	79.4	79.0	79.	79.4	79.4	79.4	79.7	79.7	79.7	79.7
≥ 1500		75.5	79.4	77.7	8 . 7	80.7	83.7	31.3	81.3	11.6	31.5	21.6	41.9	61.5	\$1.0	-1.
≥ 1200		10.5	91.0	£1.3	37.6	2.6	82.6	*3.2	83.2	43.6	* 3.6	23.6	4.1.5	45.7	63.9	41.7
≥ 1000		77.7	83.2	×4.2	85.8	25.8	8508	96.5	36.5	36.3	86.5	R5.6	67.1	87.1	57.1	47.1
≥ 900		17.7	83.7	F4 . 2	85.8	95.0	85.8	66.5	86.5	86.8	86.3	86.3	R7.1	37.1	47.1	47.1
≥ 800		79.0	85.2	36.1	87.7	47.7	88.4	89.0	80.0	87,4	89.4	89.4	83.7	89.7	87.7	89.
≥ 700		74.4	85.8	27.4	89.4	69.0	89.7	÷11 • \$	73.3	90.7	40.7	90.7	41.7	01."	91.5	٥1.
≥ 400		<u> [ • 1</u>	87.1	84.0	90.7	10.7	91.3	V1.9	91.9	92.3	97.3	25.3	32.6	32.€	97.6	1 . A
≥ 500		1.1	e3.1	91.4	97.2	73.2	34.2	24 . 8	94.5	95.2	95.2	95.2	95.5	95.5	95.5	25.5
≥ 400		~1.1	54.1	71.3	93.6	93.6	94,5	°5.5	95.5			95.3	96.5	96.5	96.5	
≥ 300		21.3	82.4	61.0	95.0	62.0	94.1	95.8	96.1		-			1	97.1	97.1
≥ 200		1.0	45.7	91.3	94.2	74.2	95,5					90.1	SAP			
≥ 100		21.6	89.7	91.9	94 . 2	- 14 · 2	95.5		97.1	96.1	98.7	78.7		, - ,		, -
≥ 0		21.6	86.7	91.3	20.2	9.2	93.5	56.8	97.1	7001	98.7	78.7	99.7	29.7	130-3	100-6

TOTAL NUMBER OF OBSERVATIONS

#### **CEILING VERSUS VISIBILITY**

TURES FIELD, FL 71-11

TATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) CEILING (FEET) > 10 > 4 ≥ 5 ≥ 4 ≥ 21/4 ≥ 2 ≥ 1% ≥ 14 ≥ % ≥ % ≥ 5/16 NO CEILING ≥ 20000 57.6 \$2.6 52.5 ≥ 18000 51.7 52.9 : : . 53.5 ≥ 16000 ≥ 14000 ≥ 12000 49.1 59.4 35. 57.4 5 4 . ! 54.4 (1.9 62.6 51.5 51.7 62.9 ≥ 6000 ≥ 5000 52.7 63.2 45.2 45.2 65.3 55.4 65.3 66 . 5 45.6 66.1 A6.1 46.1 56.8 56.8 56.6 55.9 67.1 66.5 67.1 67.7 63.9 65.5 67.4 59.5 68.1 69.4 67.7 67.7 67.7 68.4 59.4 58.4 69.7 19.7 69.7 71.3 71.7 71.3 67.4 67.7 67.7 67.7 19.0 69.4 7 2 . 3 70.3 77.6 71.0 71.7 71.0 71.0 73.2 73.2 69-7 70-3 70.3 ≥ 1800 ≥ 1500 71.6 75.3 72.6 71.00 72.6 13.2 69.4 73.5 74.5 74.5 74.5 73.4 75.2 75.2 76.1 76.1 74 . E 76.1 76.8 27.4 77.4 77.4 76.1 76.7 73.7 74.7 76.8 79.1 76.8 71.0 74.8 76.5 76.8 78.1 78 . 1 79.7 71.9 77.7 99.n #1.0 91.3 83.6 84.2 86.1 56.1 86.1 87.1 87.1 87.1 87.1 87.1 87.1 75.5 95.7 55.7 99.7 86.8 28.7 77.3 0.48 97.3 33.0 300 200 79.5 28.4 49.7 93.5 77.4 £1.9 88.4 94.2 84.2 50.2 36.5 97.7 07.7 49.7 93.6

TOTAL NUMBER OF OBSERVATIONS

### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

\$1.**L** 

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 114	≥ 1	≥ 4	≥ %	2 %	≥ 5/16	≥ ¼	≥ 0
NO CEILING		*7.7	30.1	4 . 7			47.1	47.2	42.2		42.7	42.7	47.	430.	47.1	i
≥ 20000		53.5	45.5	40.3		47.4		48.7	4 - 6 F	45.5	4.7.6	68.3	46.9	45.0		40.1
≥ 18000 ≥ 16000		-2.3	45.2	4 4	47.5	47.4	47.7	* F • 1	42.1	9 1 a 5	40 a 5	44.6		49.1	47.1	44.5
≥ 14000 ≥ 12000		43.6	45.7	46.8	47.7	47.3	43.	47.5	49.6	49.	49.5	43,3	67.4	49.4	47.5	49.5
<del></del>			45.5	47.7	40.6	46.7	49.2	19.4	47.4	47.	43.0	44.9			5 7.4	
≥ 10000 ≥ 9000		46.5	45.8	50.5 50.8		11.7	57.0	12.2	52.5	53.0	57.7	52.7	3.4	53.4	53.2 53.5	52.5
≥ 8000 ≥ 7000		49.2	5?•5	:3.7		4.9	35.4	5.5	55.6		35.2	31.2	٠., ٢			
<del></del>		40.5	53.1			90.7	56.7	56.9	50.7		57.5	57.5	* * * *		5,00	ti
≥ 6000 ≥ 5000		77.3	54.4	57.3	50.4 50.5	, ,	57.5	57.7	57.7 59.4	58.2	55.4	58.4 60.0	17.5	58.7	50.4	
≥ 4500		72.9	50.6	5503	50.2		57.9	• 2	63.7	65.7	£17.8	50.3	+1.1	(1.1	61.	61.7
≥ 4000		3.7	57.6	60.1	6 3		51.1	^1.3	61.3	61.0	51.9	61.7	. 7.3	62.3	02.4	
≥ 3500 ≥ 3000		5.3	5 2 . 6	7 1	67.7		63.4	61.7	61.7	62.2 64.2	67.3	62.3	64.6	64.6	6 % . T	'
≥ 2500		4.7.0	61.2	4 2 0			5.0		65.0	56.	66.1		+6.5	26.	36.	7,7
≥ 2500 ≥ 2000		9.4	64.3	6.1	67.5		64.6	1.9.5	49.7	69.3	60.7	65.9	- •	73	75.4	) . :
≥ 1800 ≥ 1500		2 To 1	51.5	65.3 69.7		65 . 2 2 . 3	69.0	47.4	73.3	7 1.1	70.2	7 . 2	7", 7	70.7	70.0	71.2
— <del>-</del> ——+		3.	64.8		71.7		72.9		74.0			74.2	71.2	74 0	76.5	75.9
≥ 1200 ≥ 1000		44.3	7 .7	73.4	75.7	76.2	77.1	- 1	77.6	. 1			79	78.5	79.0	7.
≥ 900		1.4 . 4	70.9	73.6	76.1	76.5	77.4	77.9	77.9	7 H . E	7: . 6	73.5	7 2	79.3	79.4	75.3
≥ 800		(5.2	72.4	75.2	76.	73.4	79.5	A [1	47.7	34.7	85.9	8".4	21.3	31.4	31.5	11.2
≥ 700		5.3	73.5	76.5	79.3	79.7	41.	1.5	41.ª	A2.2	32.4	72.4		32.9		27.4
≥ 600		6.3	74.0	77.6	30.5	-1.1	82.5	13.3	43.7	33.8	84.0	44.0	54.4	94.5	40.6	: 6
≥ 500 ≥ 400	_	6.7	75.2	77.5	8: . 4	43.4	75.3	75.9	25.9	36.7	84.9	55.9		37.5	37.6	Se .
<del></del>		67.0	75.7			5 . 2	37.2	7.9			39.2	89.2				\$ .
≥ 300 ≥ 200		67.1	76.7	91.2 91.6	45.5 45.1		90.0	1.0	- 1	71.3	91.7			92.4	97.5	95.1
		67.3				7.1	90.1	71.3			64.3					
≥ 100 ≥ 0		57.3	1	81.6							,	-		96.0		100.0

TOTAL NUMBER OF OBSERVATIONS

#### **CEILING VERSUS VISIBILITY**

STATION MADE

DEDCENTAGE EDECLIENCY OF OCCURRENCE

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) CEILING (FEET) ≥ 10 ≥ 6 ≥ 5 ≥ 4 ≥ 2% ≥ 1% ≥ % ≥ 5/16 ≥ 0 NO CEILING 51. ≥ 20000 ≥ 18000 ≥ 16000 30. 6". 10. 60. 41. 2. 1 . · 62.7 53.7 6 W . 2 ≥ 14000 ≥ 12000 ≥ 10000 ≥ 9000 64.3 67. 67. 69.3 ≥ 4500 ≥ 4000 ≥ 3500 ≥ 3000 72.3 72.7 72.3 72.3 73.3 74.7 16.3 ≥ 2500 ≥ 2000 75.7 76. 3 1800 1500 77 . 5 79. 79. 79.7 900 800 81.3 63.3 87. 83. 700 600 73.0 89. .1. 85.5 37.0 87.7 88.7 92. 86.5 ≥ 89.7 93.7 57 . . 75.7 100

TOTAL NUMBER OF OBSERVATIONS

### **CEILING VERSUS VISIBILITY**

BUTTOR FIELD, FL

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	SIBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/4	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ '•	≥ 0
NO CEILING		3.7	45.7	47.7	53.7	1.7	5.4.7	28.9	23.7	3 <b>4 .</b> C	7.4.	L & . 3	- 5 . 7	* 6 ·		77.7
≥ 20000		.4 .	51.7	₹4.0	36.3	56.3	57.3	6.3	50.5	50.7	55.3	79.5	3/10	(1.	/ · ·	• '
≥ 18000 ≥ 16000		4 16 a .	51.0 51.0	54.0 54.0	56.3 55.3	£6.3	57.3 57.3	59.3	58.₹ 53.₹	5: 1	57.0	19.0 19.1	, 7.7	t	t 2 • . 5 ? • 5	. 63.3 . 63.3
≥ 14000 ≥ 12000		×4.	51.0	54.5	54. §	56.3	57.3	. 5 . 2	50 . 3 50 2 . 5	79.3	50.7	30.7	51.3	11.0	. ? • 7	
≥ 10000 ≥ 9000		46.5	5 3 - 3		59.0	(9.E)		1.0	el.	41.3	61.7	51.7	4.7.3		54.	
≥ 8000 ≥ 7000		u.8.J	57.7	40.7	61.7	41.7	62.7	13.7	64.3	54.7	8.44.5 10.73				+ <del></del>	1
≥ 4000 ≥ 5000		3	55.7	59.0 59.3	67.3	42.3 62.7	63.3		34.	64.7	65.7	65.0	4: K . 7	<del></del>	20 0	4 ?
≥ 4500 ≥ 4000		43.7	34.3	5 .0	67.7	3.7	64.7	45 . J	574 55.7		54.7	* 5 • 0		+	69.0	•
≥ 3500 ≥ 3000		44 7	- ·		54.7	14.7	66.5			57.3	67.7	67.7		15.7		71.
≥ 2500 ≥ 2000		0.7	39.7	A2.7	65.2	15.0		19.3	69.8		69.	7.1	70.7	71.	77.	7
≥ 1800 ≥ 1500		1.7	5 - 3	63.3 63.3	6".	67.3	64.7		71.7		71.	71.3	,,,,	73.	74.	7. 7
≥ 1200 ≥ 1000		1.7	68.7	45.3	69.3		71.7	72.7	78.7		73.7		<del></del>	<b>+</b>	75.7	77.
≥ 900 ≥ 800	— <del></del>	2.5	61.7	67.7	72.3	72.3	74.3	75.7	79.7	76.3	75.7	75.7	75.2		79.7	† =
≥ 700 ≥ 600		3.7	67.7	73.5	73.1	75.5	77.3	78.7	76.7	79.7	3 . 3	50.3	-1.7	<del></del>	2.3	· · · · ·
≥ 500 ≥ 400		14 . 7 2 4 . 7	65.00	73.5	7:.2	74 . 7 60 . 0	81.0		h ? • ?	244	34.3	94.7	67.7	Ehes	27.	R.
≥ 300 ≥ 200		5.3	65.0		87.7	£1.0	03.7	े. ₹ . 3	85.7	37.	57.5	E7.3	3 ( • )	90.	3	11.
≥ 100 ≥ 0		5.0	65.8	74.0	91.3	1.7	34.3	76.7	· · · · · · · · · · · · · · · · · · ·	84.1	89. 39.7	99.3	71.6	11.3	<del></del>	64.

TOTAL NUMBER OF OBSERVATIONS

### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING		VISIBILITY (STATUTE MILES)														
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 11/3	≥ 1%	≥ 1	≥ ¾	≥ 46	≥ %	≥ 5/16	≥ \.	≥ 0
NO CEILING ≥ 20000			7/ •	78.	41.7	42.3	43.0 41.7	43.3	43.4	u	21.3	47.3	4" , 7	4	45.7	47.7
≥ 18000 ≥ 16000			41.3	44.7	47.5	45.7	49.0	7 3 4 4	40.7	3 • 3 5 • 3	2.0	1.7	17.3			7
≥ 14000 ≥ 12000			ن ۾ جي ا ن ۾ 3 جي	45.7	4	90. ¥	50.0	: 5.3 53.7	1 7	1.	57.7	12.7	· · · ·	14.3 15.3	54.7 55.5	15.7
≥ 10000 ≥ 9000			44.7 45.0	4 / . 7 4 / . C	51.7	2.5	98.3	5 3 T	7	54.5 34.5	55.* 55.	53.7 50.7	: 7 · 1	7.3	57. 57.1	•
≥ 8000 ≥ 7000		1.	47.5	°1.3	54 + 3 54 - 7	`\$	55.3	54.7	5-47	51.7	· · · 3	* / . 3 * D . 3	1.3	5 1 . 3	,	• • •
≥ 6000 ≥ 5000		2	47.7	52.5 23.1	55 • 3 55 • 3	ົວ. ວ່າ 2	56.7 57.	57.5 57.7	7.7	53.3	7	60.3	·1 • 7	51.7	* 1 • 7	4 4
≥ 4500 ≥ 4000		2.4.0	47.7	72.0 54.0	57.5	3.3	57.7	50.7	57.7	58.7 6.3.7	6 .7 62.7	60.7		2.65 <u>54.65</u>	t 4 .	* - • ~
≥ 3500 ≥ 3000		1 -4 . 3 - 3 - 3		57.3	51.0 60.7		59.7	3.	3 5 e	دَ و الأما و عان	1 3 = 7 1 5 = 1	63.3 60.	12.3	64.7 57.0	67.	÷ 7 .
≥ 2500 ≥ 2000		4.0		I - :	51.0 63.7	* 2.5 *5.0	67.7 50.J	43.3	13.3 15.7	67.7	69.7	64.3	71.	7.	71.	7
≥ 1800 ≥ 1500		47.1	55.00 57.3	1	63•7 56•™	65.0	66.0 69.7	16.7	59.7 75.5	67.7	74.	74."	71.7	75.	75.5	7:.7
≥ 1200 ≥ 1000		a 1 . 7	5°.0	1	67 - 1 62 - 11		70.7	71.4	7 7	73.11	75.0		77.1	77.	77.	
≥ 900 ≥ 800		27.7		7.4.3 24.7	66.3	.9.7 73.5	72.7	72.7	7.3	75.	77.2	76.3 77.0	76.3	70.3	79.7	-1.
≥ 700 ≥ 600		1.0	6 . 7 51.7	67.5	71.7	74.7	75.7	76.3 77.3		79.3	$\overline{}$	87.3		7.7	97.7 33.7	05.7
≥ 500 ≥ 400		1.7	61.3	6			73.3	*9.3	77.7	11.3 53.7	23.3 23.7	03.3 95.7	- 7 - 7	37.7	15.7	30.
≥ 300 ≥ 200		1.7	51.7	6 7					21.3			56.3	54.3 54.7	99.J	5.0	75.0
≥ 100 ≥ 0		1.0	62.5			77.7	81.5 81.0	2.3	23.7 2.3	55.3	57.7 88.	87.7	9 .0	93.1		75.4 1 0.1

FTELL, FL

### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING		VISIBILITY (STATUTE MILES)														
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/4	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ 4,	2 %	≥ 5/16	≥ ¼	≥ 0
NO CEILING		48.3	4 . 3	40.	47.5	49.3	44 . 3	49.3	44.3	42.3	₩9.3	4 ° - 5	46.3	47.3	47.3	47,2
≥ 20000		_ 1.	€4.6	35.0	56.3	°5.3	55.3	15.3	55.3		55.7	55.7	35 <b>7</b>	55.7	55.7	55.7
≥ 18000		1.7	54.1	3300	\$5.3	15.3	55.3	16.3	25.3	>5.7	55.07	55.7	57.07	55.7	55.7	55.7
≥ 16000		1.	54.5	್≎ು ಚ	55.3	- 5 - 3	55.3	5.3	7,8 € ₹	55.7	*5.7	5.7	35.7	55.7	55.7	55.7
≥ 14000		12.0	55.0	F.C. 3	50.3	56.3	56.3	50.3	50.3	50.7	56.7	56.7	<u>⊅6.7</u>	50.0	56.7	5,5
≥ 12000		53.7	<u> 57.0</u>	5.8 a C	53.2	56.3	55.3	02.3	3€.3	5 t . 7	58.7	35.7	53.7	58.7	55.7	: 5.7
≥ 10000		:5.7	54.3	±81.3	60.7	cu.7	65.7		43.7	61.	41.0	61.	51.0	71.	61.	51.
≥ 9000		5.7	5 3	5.1.3	60.7	AG . 7	60.7	1.0.7		51.0	<b>6]</b>	61.3	61.	-1.	e. 1 .	1.
≥ 8000		5.7 • €	61.0	73.3	63.0	:3.G	93.C			63.7	63.7	63.7	63.7	63.7	i	
≥ 7000		1000	್ 3 • 3	14.7	95.3	05.5	65.3	54.0	650	56.5	55.3			56.3		
≥ 6000		• •	6.00	65.3	6000	46.2	65.0	66.7	06.7	47.û	-	67.	57.9	67.0	1	
≥ 5000			64.3	45.7	65.3	6.3	66.3	67.0			67.3	67.3				· —
≥ 4500		• •	64.3	65.7	56.3	:6 • 3	56.3	-7.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.
≥ 4000		1.7	66.0	67.3	63.7	68 • 3	64.	46.7	68.7	\$8.0	39.3			69.		100
≥ 3500			64.3	67.7	68.7	68.7	59.7	89.3			60.7		. 9.7	69.7		0.0
≥ 3000		68.3	67.7	67.0	79.7	73.7	70.7	<del></del>		72.	77.	72.6	77.5			
≥ 2500		5.7	71.0	72.3	74 - 2	74 . 3	74.3	75.	75.0	75.7	75.7			75.7	, -	75.1
≥ 2000		1.6.3	7,7.0	73.3	75.7	75.7	75.7					77.		77.5	+	•
≥ 1800		67.2	72.7	74.0	76.3	76.3	76.3	77.0	77.	77.7	77.7	77.7	77.7	77.7	77.7	77.
≥ 1500		12.3	7 . 7	ق و ناع	87.3		82.3			£ 5 . 7					<del></del>	A 2 • 7
≥ 1200		7.3	79.7	€2+3		83.7	93.7	1	1 7 1					55.	1	
≥ 1000		20	23.3			.8.	43.3			37.7				<del></del>	<del></del>	
≥ 900		15.7	84.7	46.7	97.3	49.3		ł .							1	
≥ \$00		74.7	86.	89.3		1.3		-2.7		73.1			73.3	33.3	73.1	
≥ 700		7.7	37.	39.3			93.9	3.7	23.7		94.7		_	94.7	94.7	
≥ 600		77.0	67.3	89.7			97.5	(4.)			95.	95.3	75.7	3000	95.1	3,70
≥ 500		78.0	85.0			4.1	95.0							i	96.7	1
≥ 400		73.0	88.7			25.7	97.0		97.7			96.7	9H.7		94.7	
≥ 300		73.7	8 7 . 17				97.3			· · ·	30.	99.0			1	33.
≥ 200		7:01	84.0			6.0				90.3			90.3	09.3	· · · · · · · · · · · · · · · · · · ·	
≥ 100		79.0	84.1				97.3			- 1			99.3		99.7	
≥ 0		78.	89.3	92.3	96.	6.1	97.3	75.0	90.0	79.3	99.3	99.3	79.3	39.3	1100.0	130.3

TOTAL NUMBER OF OSSERVATIONS

### **CEILING VERSUS VISIBILITY**

STATION NAME PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

CEILING (FEET)							VIS	BILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21%	≥ 2	≥ 1%	≥ 11/4	≥ 1	≥ %	≥ %	2 %	≥ 5/14	≥ ¼	≥ 0
NO CEILING		U • 1	5 . 7	\$ 10.7	50.7	′n•7	57.7	57.7	50.7	50.7	50.7	:3.7	50.7		51.7	50.7
≥ 20000		50.3	53.0	تعند	57.3	- 59.3	37.3	7.3	51.3	-7-5	55-3	- 50 3		< 9 a 3	59.3	- 70-
≥ 18000 ≥ 16000		51 . T	50. 3	59.7	59.7 59.7	59.7 59.7	59.7	19.7 59.7	59.7	59.7	59.7 59.7	54.7 	50.7	59.7 59.7	50.7	57.7 51.7
≥ 14000 ≥ 12000	• 3	F4.0	54.7	60.0		€0.6	60.9	47.0	60.0	6J+0	60.0	6000	60.0	10.7	67.5	<b>5°•</b> 0
= 12000		19.3	60.0	50.7	6.5	LU-7	60.7	43.7	4 7	6 (in 7	67	<u> </u>	4.0	50.7	67.1	Leid ?
≥ 10000 ≥ 9000	. 3	50.7 60.1	61.7	60.3 52.3	67.3	+2 • 3 • 2 • 3	92.3 62.3	62.3	62.3	62.3	62.3	62.3 62.3	62.3	62.3	52.3 52.3	67.3
≥ 8000 ≥ 7000	. 3	~3.7	64.7 65.3	65.3	8E.7	55.5 66.3	66.3	55.0 54.3	65.7	65.5	65.3	65.0	55.0 56.3	65.0 66.3	65.7 56.3	65.
<del></del>			63.7				56.7	66.7	15.7					66.7		
≥ 4000 ≥ 5000	• }	(4.3	1 7	66.7	66.7	67.0	67.ü		-	67.0	66.7	67.0	67.0		56.7	1
<del></del>		4 - 3	65.7	67.0										67.0	67.	57.
≥ 4500 ≥ 4000	• ]	- 4 - 5	55.7		67.3	47.0		57.0	57.	67.0	67.	(7.)	1	57.5	67.	57.
<b>⊢</b> =		£ 1 . 3	63.7	70.2	73.4	70.7		73.3	70.0		,	7.0.0				7
≥ 3500 ≥ 3000	• ? _ • *	72.7	70.7	77.5	72.3	72.5	77.3	72.0	77.0	72.7	7.3.3	74.00 75.3	77.6	72.3	77.	75.
≥ 2500		79.3	3 . 7	62.0		-2.3	2.0		62.0	ė		12.0			. 7.	1
≥ 2000	• ]		85.	47.1	27	87.3	87.0	77.7	7.0	}		87.0		27.3		87.0
≥ 1800	. 3		69.7	67.3		27.3	87.3		37.	97.5		7.3			97.3	
≥ 1500	• .	49.3	91.7	73.7	93.7	34 . 3	94.	26.2	94 7	94.3	64	9 4 6	24.2	74.3	04.0	
		3.0	77.	04.3	94.1	34.7	94.7	44.7	74 7	94.7	74.7	74.7	54.T		90.7	76 7
≥ 1200 ≥ 1000	• 1	10.7		75.3	95.3	15.7	95.7	55.7	95.7			95.7			25.7	1
		5C.7	93.3	25.3	95.3	5.7	95.7	75.7	95.7					95.7	95.7	95.7
≥ 900 ≥ 800	•		94	96.3		46.7	96.7	76.7	76.7		1 1		96.7			
<del></del>		3		75.7		17.3	97.3		97.7			97.7				
≥ 700 ≥ 600	• 1	110	94.3		96.7		37.7				! I		i			1
<u> </u>		10-	94.	35.7					98.7						96.7	73.7
≥ 500 ≥ 400		21.1	94.7	96.7	97.0	97.3	98.3	25.7	99.7 99.0		99.7	98.7 99.0	94.7	98.7	99.0	1
≥ 300	•	V1.	94.7	17.3			99.3	99.5	79.3	23.5					99.3	
≥ 300 ≥ 200	1	1.1	94.7	7.3		28.7	99.0	29.7					1			
≥ 100	. 1	71.3	94.7	7.3	97.3	58.7	99.	39.7	79.7	_		79.7		170.0		
≥ 0	• !	1.3	34.7	7.3	37.4	28.5	99.	29.7	99.7	99.7	29.7	99.7	1 3.6	120.7	100.0	100.0

STATION NAMES

### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING		VISIBILITY (STATUTE MILES)														
(FEÉT)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ 4	≥ 0
NO CEILING	•	71.07	51.	51.7	52.3	. 2 • 3	52.3	2.3	57.3	52.3	52.3	:2.3	77.3	52.3	32.3	7 - 3
≥ 20000	. 1	.2.1	62.7	63.7	64 . 3	<u>:4,5</u>	64.3	54.3	34.4	64.3	64.5	54.3	£4.3	54.3	64.3	é
≥ 18000	• 3	2 . 7	63.1	54.7	64.7	64.7	54.7	54.7	64.7	64.7	64.7	64.7	64.7	54.7	64.7	64.7
≥ 16000	• 1	-3.	5 1 . 1	64.3	65.	€ <b>\$</b> • 0	65.0	45.0	65.7	65.	6.5	65.0	6°.3	65	65.0	5.5
≥ 14000	• 1	13.7	64.7	65.4	65.7	65.7	65.7	15.7	45.7	65.7	65.7	65.7	65.7	65.7	05.7	+5.7
≥ 12000	• 3	<u>- 44 • €</u>	44.1	65.3	64.5	66.0	66.	56.0	0000	66.6	66.2	66.0	56.5	66.	66.5	5 to 1
≥ 10000	• 3	15.1	66.0	67.0		57.7	67.7	67.7	67.7	67.7	67.7	67.7	57.7	57.7	67.7	57.7
≥ 9000		- 6 . 3	60.7	67.7		68.3	64.3	68.3	63.	68.3	60.3	61.5	60.3	68.3	54.3	69.2
≥ 8000	• 3	49.0	70.0	71.0		71.7	71.7	71.7	71.7	71.7	71.7	71.7	- •	71.7	71.7	71.7
≥ 7000	. 1	70.3	71.5	72.3	73.0		73.0	73.0			_	73.3		73.C	73.5	75.7
≥ 4000	• 3	77107	71.7	72.7	73.	73.3	73.3	73.3	- 1			73.3	_	73.3	73.3	
≥ 5000	• 1	72.3	73.3	74.3	75.1	75.	75.3	75 - 1	75.7	75.0		75.0	75.0	75.0	75.0	75.7
≥ 4500	• 3	73.9		75.Q	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7		75.7	
≥ 4000	3	75.1	76.7	77.7	70.1	70.3	79.3	79.3	75.3			79.3			78.3	
≥ 3500	• 3	77.1	74.0	79.0	an.q	30.0	30.0	ಿರಿ∗೮	43.	57.0		8-1-1	30.00	80.0	#3•3	30.00
≥ 3000	• '	"Q.3	82.0	93.4		~4.3	84.5	-	34.3	34.3		24.3			84.3	24.3
≥ 2500	• 3	-3.1	34.7	85.7	87.	47.0	87.0	7.0	37.0	97.3		57.7			87.	57.
≥ 2000	• ]	5	87.3	88.7	4		99.	90.3	97.3			79.3	, 17 , 3	46.2		<u> </u>
≥ 1800	• 3	3.5	57.3	8ê.7	97.0		90.3	413 - 2	30.03	20.3	20.3	70 - 3	97.3	94.3	30.1	77.6
≥ 1500	• 1	7.	80.7	71.5	92.3	32.7	92.7	72.7	52.7	92.7	92.7	207	42.7	72.7	92.7	
≥ 1200	•	ં છે • પૈ	90.7		93.3	3.7	93.7	23.7	¥3.7	93.7	93.7	23.7	93.7	93.7	33.7	43.7
≥ 1000	•	0.3	13.0	F 4 . 7	96.1	76.3	96.3	^6.3	96.3		85.3	45.3			96.3	94.5
≥ 900	• 3	∞0.3	91.0	54.7	36.7	76.3	95.3	56.3	96.3	90.3	96.3	96.3			96.3	
≥ 800		:0.1	23.	¥5.7	97.3	77.3	97.7	27.7	97.7	97.7		97.7			57.7	
≥ 700	• ]	3.1	72.1	75.0	47.7	98.0	98.3	98.3	35.3	35.3	98.3	98.3		96.3	98.3	"10.3
≥ 600	•	7.0	93.	<u>°6∙</u> €	97.7		79.3	59.3	94.	79.3		98.3	99.3	6.3	36 . 2	
≥ 500 > 400	•	⇒E•3	23.7	76.0	97.7	98.0	98.7	98.7	99.7	38.7	- (	94.7			39.7	
≥ 400	• ;	03.	77.9	48.7	97.6	98.3	99. 1	< 9 . C	99.7	99.7	99.3	99.0			99.17	
≥ 300 > 200	• :	90.0	93.7	96.4	99,0	28 - 3	99.11	99.7	99.7	99.7	30.1	99.3		99.3	99.3	
<u> </u>	•	71.0		26.3	94.3	78.7	99.7	07.7	99.7			99.7			100-0	
≥ 100	•	01.0	1 1	76.3	98.3	48.7	99.7	09.7	70.7	00.7	99.7	39.7		120.0		
≥ 0	• 3	1 :1.0	94.0	66.X	93.3	99.7	99.7	99.7	49.7	99.7	39.7	97.7	IL \ □ • □	100.0	כיסנו	BOC - 3

OTAL NUMBER OF OBSERVATIONS 301

### **CEILING VERSUS VISIBILITY**

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							٧IS	HBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 11/4	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ 4	≥ 0
NO CEILING	• 1	31.7	54.7	54.7	54.7	54. 7	54.7	54.7	54.7	4.7	34.7	54.7	54.7	54.7	54.7	34.7
≥ 20000		1.2.3	36.7	26.3	65.3	-60-3	66.	56.3	blas	تعذظ	66. 4	لمفد	Sial	56.5	66.5	55.5
≥ 18000 ≥ 16000		52.7	55.00	56.3	66.3	66.3 56.3	66.3	66.3	64.3 54.3	56.5 56.7	66.3	66.3	56.3	66.3	66.3	46.1 56.1
≥ 14000	. 1	3.0	46.3	36.7	56.7	66.7	66.7	66.7	46.7	64.7	66.7	66.7	66.7	56.7	64 . 7	66.1
≥ 12000		33.1	67.7	69.0	69.0	58	68.0	53.0	64.	لتمتاه	66.7	65.0	So.7	63.0	6000	68.
≥ 10000	• 1	5.7	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.
≥ 9000		37.1	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	17.7	72.7	12.7	72.7	72.7	72.
≥ 8000	• 1	77.03	77.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.
≥ 7000		74.	71.7	79.3	70.3	79.3	77.3	75.3	79.3	77.3	79.3	7.9.3	72.3	79.7		77.
≥ 6000 > 5000	• 3	74.7	79.3	87.0	60.0	30.0		*0.0	43 <b>+</b> 0		53.0	40.0	1		87.7	
≥ 5000		70.	3 . 7	81.1	61.	1.3	91.5	لعلت	31.3	31.3	21.3	2).3	A1.3	21.3	21.5	31.
≥ 4500	• ]	76.7	81.3	43.3	87.4	42.3	82.3	42.5	6	42.3	3 • 3	12.3	17.3		02.1	
≥ 4000		730	33.7			<u> </u>	85.0	25.0	85.2	5	85.3	25.0				
≥ 3500 ≥ 3000	• ]	70.	83.7	34.7	35.7	85.J	85.0	-5.C	1	45.5		65.0	15.0	1 . 11	_	
	. • •	<u> </u>		25.7		36.3	86.3	46.3	34.3	86.7		£6.7	86.7	<del></del>		
≥ 2500 ≥ 2000	• ]	3.3	8° • 3	86.0	85.9	36.3	87.	67.3	87.3	57.3	67.3	27.3		1	87.3	
<del></del>	• 3	12.0	86.7	57.7		୍ଷ 🔾	38.7	28.7	53.7		83.7	49.	80.0			
≥ 1800 ≥ 1500	• }	2.0	34.3	37.7	88.0	28.0		25.7	P4.7	39.7	37.7	89.	37.0	1 - 1	89.	.,
<del></del> +		3.1	39.	89.3	3 . 7	67.7	90.3	20.3	95.3	95.7	3C.7	90.7	9 9		5 . 7	
≥ 1200 ≥ 1000	• 3	43.3	87.0	90.0	90.3	99.3	91.4	21.5	91.	21.7	91.7	°1.7	31.7	, ,	91.7	11.
		25.1	91.3	92.3	92.7	92.7	9 1 3	33.7	7	74.0	94.0				94.5	94
≥ 900 ≥ 800	• }	36.	97.1	93.3	93.4	93.3	94.7	74.3	94.3		74.7	94.7			74.7	94.
<u> </u>		F 6 . 1	93.0	84.0	94.3	94.3	25.	-5-3	33.3		75.7				95.7	0:0
≥ 700 ≥ 400	• ]	87.3	94.7	96.9	36.3	56.3	97.3	97.3	97.3	1		97.7			97.7	
			94.7	06.7	75.	<u>°6.3</u>	97.7	57,3								
≥ 500 ≥ 400	• 3	27.3	94.7	96.0	96.3	96.3	97.7	78.0	96.0	74.7	98.7	98.7	94.7	1	99.7	79.
		27.3	94.7	96.0	76.1	96.3	93.0	78.0	98.5	98.7	90.3	99.1			99.3	
≥ 300 ≥ 200		37.7	95.	96.3	96.7	90.3 96.7	90.3		-		99.7			99.7		
≥ 100	- :	7.7	5	96.3	95.7	16.7	99.3	5.7	75.7					170.0		
≥		27.7	95.	6.3		-6.7	98.3							100.0		

TOTAL NUMBER OF OSSERVATIONS

### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE

CEILING			<del></del>				VIS	#BILITY (ST	ATUTE MIL	£\$)	·- ·					
(FRET)	≥ 10	≥ 4	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ 4	≥ 0
NO CEILING ≥ 20000	• !	3.	5		51.3	^1.3	31.3	1.1.7	51.7	61.7	61.7	11.7	51.7	61.7	61.7	51.7
h			6	66.3	57.7					53.0	5 7	58.0	6 0		5 . 7	63.
≥ 18000 ≥ 16000		7.5	64.3	66.3 56.3		67.7		65.0	48.7	64.3	6 6 3 3	50.0 68.0	ຢາ•ຕ ຄາ•ຕ	68.0	68.0	6.3
≥ 14000	• 1	7.7	54.3	44.5		57.7		56.0	63.5	63	65.	69.7				2501
≥ 12000	• 3	55.0	65.0	67.3	69.7	48.7		59.0	67.1	69.3	63.	69.0	69.0	67.	69	
≥ 10000	- 1	- 1 - 7	64.7	70.7		2.5	72.3	72.7	72.7	73.3	73.0	73.0	77.0		73.	7 2 . 7
≥ 9000	• 1	41.7	40.7	75.7		72.2		72.7	77	, , ,	73.3		- 1		73.7	73.
≥ 9000	. 1	13.7	71.0	73.0	74.7	74.7	74.7	74.3	75.0	75.3	7	75.3	75.3	75.3	75.3	75.3
≥ 7000		1.500	73.7	75.0	77.7			78.0	74.0	74.3	79.3	74.3	70.3	78.3	74.3	75.3
≥ 6000	• 1	100	74.1	76.3	74.5	78.6	75.0	73.3	79.5	75.7	79.7	74.7	71.7	78.7	76.7	75.7
≥ 5000		16.1	74.0	76.3	73.4	75.0	73.0	74.3	75.3	74.7	79.7	74.7	78.7	78.7	78.7	
≥ 4500	• 1	6.1	74.5	76.8	78.0	74 . 0	7/1.3	3.5 4	74.5	74.7	72.7	74.7	70.7	78.7	72.7	
≥ 4000	• 1	27.4	74.7	77.5	74.7	76.7	78.7	79.0	77.0	77.3	76.3	79.5	79.3	79.3	79.3	73.2
≥ 3500	• 1	1.7.7	74.7	77.3	71.7	78.7	74.7	79.0	77. 4	74.3	74.3	79.3	74.3	79.3	79.3	79.5
≥ 3000	• 1	100	74.	74.7	800.5	.0.7	40.3	40.7	80.7	41.	A1.0	£100	41.0	21.0	61.	1.1.
≥ 2500	. 1	2.5.	7 -, . 7	79.3	7.	-1.0	71.0	11.3	41.3	53.7	61.7	81.7	31.7	33.7	61.7	21.7
≥ 2000	• 1	13.1	74.	*1.d	42.7	82.7	82.7	93.0	95.0	43.3	23.3	23.3	63.3	53.3	63.3	83.3
≥ 1800	•		71.	A1	52.5	42.7	8.7.7	43.C	3.3.0	93.3	27.3	⊕ <b>3</b> • <b>3</b>	5.4.2	83.3	53.3	23.3
≥ 1500	5	71	70.0	8.07	AA.	3	84.7	P5.7	85.0	45.3	×5.3	25.3	75.3	35.7	05.3	2.5
≥ 1200	• 1	15.0	73.	#3.E	44.7	+4.7	<b>#5.</b> G	25.3	25.3	25.7	#5.7	35.7	85.7	£5.7	65.7	9 1
≥ 1000		_'0.1	8 1.7	~ 4	83.7	:5.1	54.	76.3	30.3	84.7	86.7	86.7	84.7	\$5.7	86.7	96.7
≥ 900	. 3	11.0	67.1	24.7	50.	6.7	80.3	20.7	85.7	97.1	87.	87.d	67.0	37.1	87.7	A 7
≥ 900	• 1	11.7	82.7	85.0	A7.7	37.1	85.3	3.7	38.7	89.7	55.5	69.3	87.3	69.3	89.7	50.5
≥ 700	. 1	77.3	93.3	; 1.3	91.01	00.0	90.7	1.3	91.3	71.7	97.	92.0	92.7	72.0	92.1	7:00
≥ 600	3	13.7	34.7	90.4	02.7	~2.3	93.0	:3.7	77.7	34.	00.3	94.3	24.3	74.3	24.3	04.7
≥ 500	• !	74.	85.7	71.3	93.7	4.0	95.0	25.7	.5.7	96.0	46.5	76.3	75.7	76.7	06.7	96.7
≥ 400		74.5	86.	21.3	24 . 7		95.3	56.0	96.5	¥0.7	47.0	97.0	y 7 . 7	97.7	97.7	97.7
≥ 300	• .1	74.	85.3	91.7	94.7	75.	26.7	77.0	97.0	7 € • €	98.3	74.3	37.0	3.00	99.7	
≥ 200	7	74.0	95.3	71.7	00.7	05.	46.3	27.0	97.	98.0	92.3	n ; . 3	39.0	39 a U	97.0	99.7
≥ 100	. 3	74.	86.	71.7	34.7	.5.	96.3	.7.3	97.3	93.7	99.	99.0	30.7	99.7	79.7	99.7
≥ 0		74.0	36.1	91.7	24.7		25.3	37.3	97,3	96.7	04.	99	100.0	130.5	100.0	105.0

(FROM HOURLY OBSERVATIONS)

#### **CEILING VERSUS VISIBILITY**

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING				-			VIS	BILITY (ST	ATUTE MIL	ES)		_				
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/4	≥ 2	≥ 114	≥ 1%	≥ 1	≥ ¥	≥ 4,	≥ %	≥ 5/16	≥ 1/4	≥ 0
NO CEILING ≥ 20000	• 3	2.7	56.7	50.8 69.8	1	2.0	52.3	12.5 10.3	\$2.5 65.3	57.6	57.1 61.1	57.1	51.4	53.4 51.4	53.6	61.7
≥ 18000 ≥ 14000	•	2.	50.9 55.9	58.5 58.6	57.0	19.4	60.1	10.9	60.5	6	61.1	61.1	91.5	51.5	61.7	57. 62.1
≥ 14000 ≥ 12000	. 1	53.5	57. ¥	79.0 59.0		50.3	60.5	50 . 8 61 . 8	61.9	61.2	61.3	61.5	62.5 63.0	52.9 63.	67.2	63.5
≥ 10000 ≥ 9000	. 2	55.1	6 . 6	62.7	63.6	6.5 . 13	64.3	64.6	54.5	6-0	65.0 65.4	65.0	65.8	65.5	65.7	56.1 55.4
≥ 8000 ≥ 7000	• 7	58.7	51.3	65.3	55.8 65.4	57.0 55.5	67.2	67.5	67.4	64.5	£2.4	63.4	4 0 8	68.9 70.5	69.0 73.7	71.1
≥ 6000 ≥ 5000	13	16.3	65.2	67.3	1 1 1	18.9	69.7	49.6 79.1	50.6 7 .1	7 . 7	77.4	71.4	77.9		71.1	71.5
≥ 4500 ≥ 4000	• 3	1.0 23.4	65.7	55.1 69.9	69.7 71.5	69.1	70.1	70.5	77.5	72.7	71.3	71.3	71.5	71.6 73.6	77.5	12.5
≥ 3500 ≥ 3000	• 7	3.1	65.4	70.6	)	74.4	77.8 74.9	73.2	75.7	73.6 75.5	74.7	740.	74.5 74.7	76.5	74.7	75.1
≥ 2500 ≥ 2000	• ?	1 5 . U	72.0	74.4	- 1	76.4	76.5	77.2 79.8	77.7	77.7	7 . 1	73.1	72.5	78.6	79.6	79.3
≥ 1800 ≥ 1500	• 3	48.1 70.3	74.2	70.5	- 1	77.0	70.5	0.0 83.2	83.7	31.5 93.5	£1.3	61.6	~] •4: 96 • 7	91.5 80.8	£1.6	70.1 55.9
≥ 1200 ≥ 1000	• 3	"C.7	77.4	12.4	82.5	12.8	83.6	94 . 1 86 . 2	84.1 60.7	36.8	65.2 87.2	35.2 27.2	85.7	95.A	45.7 89.0	₽ Ł . ;
≥ 900 ≥ 800	• 2	72.4	77.4 80.7	BZ.7	85.7	5.5 55.5	85.2	56.7 54.0	50.7	87.3	57.8	57.3 99.2	99.6	38.3 89.6	88.5 90.0	69.6
≥ 700 ≥ 600	. 1	73.0 73.4	81.1	85.2		89.C	89.3	99.9 90.3	87.9 91.0	90.4	91.1	91.1	91.6		91.9	93.5
≥ 500 ≥ 400	. 2	73.6	\$2.0 \$7.2	86.0 86.0	89.5 90.3	87.7	91.4	72.0 42.9	92.7	92.9	93.3	93.3	95.1	94.7 95.1	94.2 95.3	94.7
≥ 300 ≥ 200	• 2	73.7	82.3	56.9 57.1	. * • 1	91.3	92.7	7.5	74.2	94.7	95.2	95.2	95.9 96.8	-	95.2	95.7
≥ 100 ≥ 0	• ?	73.4	\$2.5 62.5	57.1 37.1	• •	71.5	93.2	4.2	74.7	95.6	96.0	76.4	7.1	97.2	97.5	98.7 100.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET

# **CEILING VERSUS VISIBILITY**

STATION PLEED, PL

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ ¥	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000		45.2	54.5	69.0	71.9	14.5	65.2	45. Q	73.7		67.4	57.4	67.4 74.8	74.2	57.4 74.8	67.
≥ 18000 ≥ 16000		N 3	60.7	69.0	71.9	71.3	72.6 72.6	73.2	73.2	74.5	74.2	74.8	74.8	74.5	74.4	74.
≥ 14000 ≥ 12000		*0.7	62.7	69.7	71.0	71.2 72.6	72.5	73.2	73.2	74.5	74.5	74.8	74.6	74.3	74.5	75.0
≥ 10000 ≥ 9000		51.6	63.6	71.6	74.5	75.8	75.2	75.8		77.1	77.4	77.4	77.4	77.4	77.4 78.7	77.
≥ 8000 ≥ 7000		53.2	66.5	75.8	79.7	75.7	79.4	*0.0	80 · Y	42.6	22.9	-1.0 -2.9	1.0	81.7		51.
≥ 4000 ≥ 5000		73.0	67.1	75.5	72.7	79.7	87.5	51.0	31.0	92.6 93.6	27.9 63.9	63.9	87.0		82.9	
≥ 4500 ≥ 4000		54.5	69.1	77.7	51.5	91.3	81.6 32.3	22.3	82.3	. 3.9 84.5	84.2	34.2	64.2 64.8	54.2	84.2	4.
≥ 3500 ≥ 3000		54.	60.4	79.4	81.9	31.9	57.6		43.2	84.6 85.1	85.2 86.5	65.2 35.5	05.5	94.2	55.2 86.5	
≥ 2500 ≥ 2000		15.7	70.5	79.7	83.2	13.2	34.2	4.5 5.5		36.1	86.5	84.5	90.5 27.4	90.5	87.4	37.
≥ 1800 ≥ 1500		* 5 S	70.3	80.7 81.9	84.2	34.5	35.2	37.1		87.4	87.7	87.7	87.7	87.7 59.0	47.7 #9.1	47.
≥ 1200 ≥ 1000		56.0	71.9	3.8	86.5 97.1	:6.5	57.4 88.4	88.1 39.0	- 1	89.7 90.7	91.0	91.0	- 7.0	90." 91.J	97.1 91.	
≥ 900 ≥ 800		56.3	72.6	93.6 55.2	87.1	17.4 59.7	88.4 90.7	59.0	89.7	90.7 92.0	93.2	93.2	93.2	91.0 93.2	61.	91.
≥ 700 ≥ 600		57.3 53.7	73.9	25.5	90.0	40.3	91.6	72.3	92.8		94.5	94.5	94.5	94.5	94.5	95.
≥ 500 ≥ 400		55.7	75.2	86.8 91.1	92.7	72.9	94.2	74.6	94.2	96.9	97.4	97.4	97.4	97.4 97.7	97.4	67.
≥ 300 ≥ 200		58.7 53.7	75.2	37.1 27.4	93.2	13.6	95.5	95.8	95.4	97.7	00.1	- 1	99.0	98.4 99.0	99.5	
≥ 100 ≥ 0		55.7 58.1	75.2	87.4 97.4	93.6	33.9	95.5	^6 • \$ 36 • 5	- 1	93.4		99.0			99.0	79.

TOTAL NUMBER OF OSSERVATIONS

### **CEILING VERSUS VISIBILITY**

S FIELD, FL PERCENTAGE FREQUENCY OF OCCURRENCE

# (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) CEILING ≥ 4 ≥ 2 ≥ 0 2 4 ≥ 5 ≥ 2% ≥ 1% ≥ 14 ≥ 1 74. NO CEILING 44.5 50. 0.3 53.6 ≥ 20000 ≥ 18000 ≥ 14000 57. ≥ 14000 ≥ 12000 22.3 5 4 . 1 65.8 ≥ 10000 ≥ 9000 55.1 63. 59. 6000 5000 69.7 ≥ 4500 ≥ 4000 71.5 76.1 3500 3000 65 .5 67.1 72.0 75.2 76.8 2500 2000 M1 . 5 81. 1200 1000 77. 79.7 91.3 71.3 700 600 84.5 93.4 89.7 89.7 91.9 73. 84.8 91.6 91. 78. 15. 33.2 79. 86.1 « 3 • d 71.6 **∄Ω**• °1.3 41.0 93.6 71.6 6 C. 71.6 61.0 8.7.

TOTAL NUM	BER OF GASER	VATIONS	. 1

DIRNAVOCEANMET

# **CEILING VERSUS VISIBILITY**

7841 INTTING FIELD, FL 13-9.

PATION BYATION BARE

PEDCENTAGE EDECLIENCY OF OCCUPA

3.5

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOUSE (L. S. T. )

CEILING	VISIBILITY (STATUTE MILES)															
(PEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 3	≥ 11/4	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING		71.6	3 • [	32.6	37.4	18.7	41.3		41.7	45.7	47.4	47.4	44.7	48.7	49.7	23.5
≥ 20000		*40.	33.2	39.4	43.6	44,8	49.5		44.0		56.8	56.9	66.0	40 · 1	61.3	1,506
≥ 19000 ≥ 14000		24 . *	33.2	30.4	47.0	45.2	40.4	49.4	49.4	53.9 53.9	57.1	57.1	69.3 69.3	50.3 5.0c	61.7	63.5
≥ 14000 ≥ 12000		24.3	33.7	30.4	47.0	45.2	49.4	49.4	47.4	53.9	57.1	54.1	5 .3	50 a ?	61.5	1 ! . i
		25.	34.9	40.7		47.7		51.7	2).	36.8	5: 7	00.7	6 . 9		64.6	
≥ 10000 ≥ 9000		36.1	3 5	<1.3	47.1	48.4	57.6		35.6	57.4	61.3	01.3	2 6	54.5	55.5	56.4
≥ 9000		2 P • 1	37.7	44.2	50.0	1.5	55.8	55.5	\$5.A	63.7	64.5	64.5	60.1	60.1		71.5
≥ 7000		26.7	3 4 • 7	4 2 0 1	<b>*1.</b> 9	*3.6	58.1	3.1	5 1 . 1	62.4	66.5	16.8	7 0 :	70.5	71.3	74.2
≥ 6000 ≥ 5000		? G . U	\$9.7	47.1	51.9	5 o e	50.1 57.7	**.7	59.7	64.5	66.7	65.7	77.5	70.3	71.7	
≥ 4500		. 9 . 12	4"."	37.1	53.2	54.8	59.7	19.7	59.7	64.5	20.7	54.7	77.6	72.6	73.€	
≥ 4000		70.3	41.3	44.4	54.5	55.1	61.5	61.3	61.3	60.1	7 - 3	70.3	74.2	74.2	75.2	73.1
≥ 3500		30.1	41.6	44.	55.5	17.1	62.3	42.3	02.3	67.1	71.3	71.3	75.2	75.7	70.1	73.
≥ 3000		11.7	41.7	64.7	56.1	*7.7	67.7	43.2	63.2	60.1	77.3	77.3	76.1	78.1	77.1	20.5
≥ 2500 ≥ 2000		11.7	* 7 · 3	50.0 51.0	1	58.1 39.0	64.2	55.6 84.5	63.6	65.4	77.6	77.5	74.5	76.5	77.4	19 .5 1.2
≥ 1800		11.	43.5	51.3	57.7	9.4	64.5		64.6	69.7	73.9	73.4	77.7	77.7	79.7	61.
≥ 1500		72.	44.5	12.3	58.7	6D.3	65.5	56.1	55.1	71.0	7: .2	75.2	75	79.0	a 13.5	2.3
≥ 1200		72.0	44.5	42.3	50.7	60. T	85.9	16.1	35.1	71.6	75.7	75.2	79.0	79	v∴•"	v
≥ 1000		*3.2	45.E	54.2	61.3	52.c	60.7	69.3	67.0	73.9	75.4	78.4	57.3	10000	33.7	36 0
≥ 900 ≥ 800		11.2	48.5	54.5	61.9	62.9	69.4	73.0	70.0	73.9 75.2	79.4	76.4	87.5	62.3	33.2	16.1
> 700		:3.	47.7	55.8	63.2	64.0	70.7	73.3	71.5	75.5		11.0	1.7	95.2	átel	20.
≥ 700 ≥ 400		34	4 . 4	57.1	64.5	66.1	71.9		72.6	77.7	82.3	32.3	5.5	86.1	87.7	9: 7
≥ 500 ≥ 400		34.7	40	57.4	65.2	56.9	72.9	73.9	73.0	79.4	£7.9	83.9	85.4	4.83	99.4	
		34 . !	50.0	59.4	67.4	69.0	73.7	74.5	74.8	8 3	28.1	88.5	42.9	72.6	54.7	57.
> 300 > 300		34 . 4	50.0	50.0		59.4			77.7	83.9	48.7	88.7	37.6		94.4	47.7
≥ 100		74.5	50.0 50.0	59.4	67.4	69.4	76.8	77.7	77.7	84.2	89.7	89.	"4.2	94.2		

TOTAL	NUMBER	OF.	<b>OBSERVATIONS</b>	- 1

DIRNAVOCEANMET SMOS

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### **CEILING VERSUS VISIBILITY**

STATION STATION RATE

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) CEILING (PEET) ≥ 6 ≥ 5/16 NO CEILING 50.7 50.7 ≥ 20000 57.1 19.0 59.4 1. 50.4 50.4 59.0 57.0 59.4 53.4 53.3 ≥ 10000 > 9000 63.4 63.7 63.7 63.9 8000 7000 69.0 71.6 71.6 71.6 71.5 ?1. 71.7 71.0 71.6 71.9 71.0 71.9 71.9 71.9 71.7 71.0 6000 5000 69.4 72.3 13.2 13.2 13.2 71.2 73.2 61.7 73.0 71.9 77.9 72.6 73.4 72.3 73.2 73.6 73.€ 73.5 73.6 73.6 4500 4000 13.2 73.9 74.2 74.2 60.4 71.3 74.2 73.7 74.2 74.2 75.2 77.0 71.9 74.5 75.2 77.1 77.4 4 . 8 72 . 3 74.2 76.1 77.4 77.4 77.4 2500 74.0 76.5 77.5 1600 36.8 47.1 29.7 34.5 67.1 3:...7 39.7 90.3 1200 9. 06 94.2 87.1 90.3 67.1 90.3 97.6 94.2 ~3.2 74.5 94.5 76.5 95.5 25.4 35. 96.3 97.1 97.1 92.9 95.5 95.2 6.1 97.1 79.7 27.4 97.4 37.4 97.4 97.4 97.4 97.4 97.4 73.9 97.7 99.1 76.1 98.4 28.4 78.7 38.7 68<u>-4</u> 93.9 95.1 98.1 -7.1 96.5 49.1) 99.4 99.7 95.5 99.7109.9100.0110 93.7 98.7 <u>- 01 40 - 4100 - 9100 - </u> กากใบว่าสีเซ็กาลโรดาวในตากเกร 24.2 25.5 98.3 99.4 99.7 98.7 100 93.7 34.2 7.7 99.7 44.0 20.4 79.71 76.5 <u>-0.-11.00.-51.00.-01.00.-01.00.-01.0</u>

TOTAL NUMBER OF OBSERVATIONS

### **CEILING VERSUS VISIBILITY**

ANTITO G PTELO, TH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) CEILING (FEET) ≥ 10 ≥ 2% ≥ 1% ≥ 1% ≥ % ≥ % ≥ 5/14 40.3 NO CEILING & C . 3 43. 43.3 47. ≥ 20000 47.4 40. 49.4 43.4 40.4 40.4 47.4 40.4 44.4 49.4 47.4 47.4 49.4 40.4 49.13 47.4 47.4 ≥ 18000 ≥ 16000 49.7 47.7 49. 49.7 50.3 50. 10.3 50. 47.1 52.3 30.3 38.5 55.5 ≥ 10000 ≥ 9000 56.1 56.1 56.1 36.1 50.1 51. . 1 57.5 54.0 59.0 50.7 59.0 8000 7000 51.0 61.C 61.0 51.0 60.7 61.0 61.0 61.0 30.5 61.3 1.5 61. 61.6 61.6 61.6 61.6 61.5 61.6 61.5 61.4 62.€ 62.6 62.6 67.6 52.6 5. B. 62.6 67. 62.8 12.6 62.6 62.4 62.6 62.5 52.6 62.6 52.6 67.6 52.6 .4 62.4 4500 4000 64.5 65.2 65.5 65.5 65.5 65.5 65.5 55.5 65.5 65.5 63.5 65.5 65.4 69.0 79.1 73.7 12.3 60.4 60.4 67.4 59.4 ≥ 3500 ≥ 3000 \$0.4 19.4 63.4 49.4 59.4 79.0 79.0 79.0 79.3 79.3 79.0 79.0 77.0 35.9 85.8 23. N 34.5 25.2 75.0 A5. 25.4 25.8 63.2 2500 2000 34.7 97.7 20.7 38.1 37.4 97.5 43.7 911.7 93.2 91.7 93.0 68.4 85.7 .... 91. 310 31.0 91 au 93.2 93.9 93.9 43.0 93.9 97.9 1500 21.3 72.6 91.9 94.5 95.2 95.2 55.0 92.3 37.9 54.5 95.2 35.2 35.3 75.2 76 . 8 4 . 5 93.6 95.2 95.8 95.5 96.3 46.3 30.4 36.3 96.3 26.5 36.5 96.8 75.2 75.0 93.6 25.6 15.3 96.8 76.8 96.3 96.6 96.5 96.5 900 97.7 47.7 97.7 96.1 96.A 46.4 97.7 97.7 97.7 27.7 27.7 97.1 37.1 97.1 78.1 20.1 94.1 9P.1 98.1 75.1 96.5 96.1 78.1 99.1 37.1 95.5 97.1 77.1 93.1 08.3 97.4 £7.4 98.4 98.7 93.7 78.7 04.7 34.7 98.7 76.5 98.7 97.4 99. 46.8 29.0 07.7 99.7 99.0 99.0 99.0 99.0 49.0 79. 96.4 97.4 99.7 27. 99.7 <u>></u> 99.7 39.7 99.7 99.7 27.7 98.7 49. 23. 24.4 36.8 97.4 97.4 49.5 79.4 40.4 78.1 99.71.70 dedant con do on the call nn oh as oh an oh co allog inkoc. 39.4 39.71

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET

# **CEILING VERSUS VISIBILITY**

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
(PEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ 1	2 %	≥ 4	≥ %	≥ 5/16	≥ %	≥ 0
NO CEILING ≥ 20000		1.1	43.7 5(a)	. 7.1	44.4 57.1	.a	57.1	44.4 7.1	44.°		57.1	44.9 57.1		44.1 57.1	44.5 57.1	ł
≥ 18000 ≥ 14000		3 . :		57.4	57.4	57.4 57.7		37.4	57.4	57.+ 57.7		57.4	7		47.4 57.7	5,7
≥ 14000 ≥ 12000		5.	57.1	58.1 (3.5	50.1	18.1	53.1	15.1	53.07	54.1	50 a 1	54.1	5 · . 1	60.3	58.1	1
≥ 10000 ≥ 1000			63.2	14 a 2	64.3	54 • 2 64 • 5	54.2	54.2 64.5	64 a 7	64.2 64.5	64.2 64.5	64.2	04.2 64.5	64.2	64.5	64.
≥ 9000 ≥ 7000		1.	6'.1	66.1 40.1	65.1	6.1	66.1	64.1	67.1	50.1	66.1	55.1	6 % a 1	56.1 GEel	65.1	40.1
≥ 4000 ≥ 5000		-30	6 . 1	67.4 7.5	7:07	66.4 70.0	68.4 70.0	64.4	8 : 0 % 7 3 o 2	54.4 70.0	70.5	6 4 15 . J	7, 0	50.4 70.7	58.3 70.7	76.50
≥ 4500 ≥ 4000			72.7	7:43 73.6	7:03	73.6	70.3	70.3 73.5	73.7 73.6	73.5	7.45		73.1	73.5	73.	7 ••
≥ 3500 ≥ 3000		5.5	37.6	75.7		79.7	79.7	77.7	74.7	1		84.2	13.2	79.7	70.7	9.5
≥ 2500 ≥ 2000		0•0		AR.1	21.3	*8.1 *1.2	38.1 21.3	71.7	31.9	61.4	71.0	91.5	99.0	31.0	58.1 91.9	71.
≥ 1800 ≥ 1500		4.2	l :	91.3	<del></del>	1.3 3.2	31.3	·3.9	93.7	93.2	91.9	93.9	93.9		97.0	71.3
≥ 1200 ≥ 1000		6.5	91.5	- :	93.0	73.9	95.5	77.1	97.1	97.1	97.1		97.1	74 . 5 47 . 1	97.3	97.1
≥ 900 ≥ 800		7.1	94.2	95.2	95 . 8 96 . 8	≎ <b>5.</b> લ ≎ <b>6.</b> ક	96.5	98.1	98.1	97.1 96.1	94.4	93.4	23.4	+	58.4	30.4
≥ 700 ≥ 600		7.1	94.2	96.1	96. H	96.8	97.4	96.1	78.1 96.1	99.1	92.7 98.7	98.7	98.7	98.7	98.7	91.
≥ 500 ≥ 400		7.1	94.2	26.5	97.1	27.1	97.7	78.4	98.4		99.0		30.0	99.0	99.1	25.
≥ 300 ≥ 200	<u></u>		94.5		97.7	97.7		19.4	79.4	99.4	100.0	100.0	155.0	100.5	100.0	10.00
≥ 100 ≥ 0		7.4	94.5			47.7 97.7		79.4	-			•		100.5 170.5	_	F

TOTAL	NUMBER C	)#	OBSERVATIONS	

DIRNAVOCEANMET

- NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

# **CEILING VERSUS VISIBILITY**

AMAZET OF FIFEE FE.

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING																
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 11/3	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ %	≥ 0
NO CEILING		* 7 • a	5 . 7	51.9		1.0	51.9	51.0	31.0			51.4	_	,	51.0	
≥ 20000		5.3.09	60.0	73.7		11.0		11.3	71.3						71.7	71.1
≥ 18000		-3.4	69.	75.7	71.7	71.0	71.0	73.43	71.	71.5	71.3	71.3	71.3	71.3	71.7	71.5
≥ 16000		63.1	63.0	77.7	71,	140	71.3	71.5	71.3	71.3	71.3	71.3	71.3	71.3	71.	7).
≥ 14000		13.2	7 3	71.9	72.6	72.0	72.6	75.3	72.7	72.9	12.7	72.9	7 3	72.5	12.0	7. • 7
≥ 12000		- 5 . i	71.3	72.9	73.1	73.6	73.6	73.9	75.0	73.9	73.9	73.9	73.9	73.	77.6	77.5
≥ 10000	_	54.7	74.8	77.1	77.7	77.7	77.7	70.1	73.1	75.1	75.1	75.1	7 4 1	78.1	74.1	7 1
≥ 9000		*6.3	75.2	77.4	76.1	76 - 1	78.1	75.4	78.4	73.4	73.4	73.4	7(.4	76.4	70.4	7
≥ 8000		73.9	77.0	P1 . 3	+1.5	:1.9	91.0	42.7	n? • 3	97.3	\$ 2.3	F2.3	1.5	12.3	42.5	17.3
≥ 7000		75.5	3 . 7	63.9	A . 6	-3.€	183.4	54.2	35.7	F4.2	54.2	84.2	£4.2	- 54 . 7	E4 . 2	94.7
≥ 6000		76.2	8 . 7	83.8	43.6	. 5 . 6	33.9	74.2	· 9 . 2	44.2	54.2	34.2	14.2	44.2	34.2	34.0
≥ 5000		76.1	81.3	1.3.9	64.5	34.5	34.5	25.2	و ۾ ج	45.2	45.2	85.2	4 - 2	15.2	មុខ 🖰	1.78
≥ 4500		6.1	81.3	33.9	44.5	54 . 5	84.5	F 6 . 2	45.7	55.2	35.2	35.2	?	35.7	-5.2	1.1.2
≥ 4000		77.1	82.3	74.8	35.5	15.5	25.8	76.1	55.1	35.1	66.1	80.1	16.1	36.1	86 .:	
≥ 3500		72.6	97.4	-b.1	86.5	27.1	87.4	7.7	57.7	57.7	87.7	97.7	67.7	87.7	87.7	17.7
≥ 3000		73.7		A6.5	67.1	17.4	87.7	23.1	h# . 1	P 9 . 1	48.1	85.1	4.5.1	13.1	39.1	01
≥ 2500		79.7	E . 48	47.9	35 1	F8.4	36.7	#9.0	71.00	M. G "	37.7	39.0	9 1.7	97.3	43.1	87.
≥ 2000		3	p 1 p	99.7	8	20.7	90.0	40.3	80.3	46.3	90.3		3	37.7	97.3	91.5
≥ 1800		-	80.1	64.	3 7	20.0	97.3	.7	- L . 7	20.7	917.07	47	7". ?	0.7	77.7	4
≥ 1500		1.	87.1	90.3	91.	1.3	91.5	92.3	42.7	52.3	92.3	52.3	+2.3	42.3	\$ ₹ . ¥	i <u></u>
≥ 1200		1.0	37.7	71.3	47.7	2.6	73.7	"2.L	97.4	7.30	1. 2 . 6		77.4		34.6	
≥ 1000		3.0		93.6	94.8	95.7	95.5	6.1	75.1	16.3	96.1	50.1	96.1	15.1	46.1	66.3
		7.9		93.9	25.2	5.5		24.5		64.5			74.4			65.0
≥ 900 ≥ 800		٠	93.7	94.5	96.5	76.8	*7.1	57.7	\$7.7		27.7	97.7	77.7		97.7	₹7.7
		16.7	91.0	94.3		97.1	97.8	28.1	20.1	37.1	¥7.1	90.1	94.1	UR 1	7.	4.1
≥ 700 ≥ 600		14.2	41.3	95.2	97.1	97.4	97.7	: 0 . 4	99.4	50.4	0.3	99.4		38.4	49.4	
<b>├</b>		9 0 2	91.9	96.1	30.1	3.4	98.7	79.4	79.0	93.6	99.4	79.4	27.4		20.4	39.4
≥ 500 ≥ 400		4 2	91.9		95	08.7	79.3	75.7	23.7	'-	99.7	99.7	36.7	1	55.7	1
		4				98.7	99.7	29.7	90.7		Ç	49.7	55.7	77.7	39.7	<u> </u>
≥ 300 ≥ 200			91.9	76.1	95.4	94.7	99	29.7	39.7			.9.7	0.7	•	96.7	
		3	91.7	70.1	77.4	69.7	79.	99.7	19.7		99.7	39.7	-0.7		-	
≥ 100 ≥ 0											20.7					
المستقسا		74.2	91.9	96.1	33.4	98.7	79.	79.7	99.7	99.7	100	7707	4,,,	79.7	79.7	بونون

TOTAL NUMBER OF OBSERVATIONS

## **CEILING VERSUS VISIBILITY**

STATION HAME PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ ¾	≥ %	≥ %	≥ 5/16	≥ '4	≥ 0
NO CEILING ≥ 20000		1.	5 e	72.4	6.7.	13.2	75.0	1.5	04.7	1401	54.2 74.5	74.2	, , ,	77.25	64.5	
≥ 18000 ≥ 16000		7	50.4	77.9	7 2 . 0	74.7	75.7	74.2	71.0	7.06	<del></del>	75.2	7 . 7		7	7' •
≥ 14000 ≥ 12000		7.7	6 - 7	73.7	74 . 7 74 . 5	79.5	75.5 75.1		, ,	75.5	75.3		26.5		7	7
≥ 10000 ≥ 9000		5.2	77.3	71	70.0				,	. 1		3		1.	1.	
≥ 8000 ≥ 7000		44.5	75.3	90.3 81.5	31.7 71.0	2.6	32.0		٠ د	29 63.6	7.5	23.5		4.5.	7.0	
≥ 6000 ≥ 5000			75.1	31.3	1.0	2.3	5 ₹ . 6) 4 4 . 5			3.5	اء ي	- 40.5		20,00	. 4 • ? . 5 • ?	
≥ 4500 ≥ 4000			77.7	5. • ti	83.4 83.4	3.9	35.5	15.0 2.5	 :	5.2 55.5	15.5	5.5	3 m 2	5 • s	46.2	•
≥ 3500 ≥ 3000	-	5.	75.1	53.3	04.2 4.8	-4.5 5.2	4".A	7 T • 3	15 • 1 15 • 1	. 2 • : Ft. • ≥	25.4 €0.5	05.0 4.6		7.1	29.F	
≥ 2500 ≥ 2000		5 . I	70.7	35.2	वर्• 1 18•1	56.2 57.1	57.4 35.4	7.4	7 . 4 1 4	07.4	વર્જ•4	54.4	7 , 4 7 , 5	37.1	24.1	•
≥ 1800 ≥ 1500		2.1	9 1.0 81.0	15.5 18.5	*? • 1	7.4	10.7	36.7	e v . 7	9 3 • 7 3 3 • 7	. en • ™ 5 ≈ • ∀	s • 7 s · • 7	7	- Q . k	4 - 4	
≥ 1200 ≥ 1000		6.1	91.0 32.4	- 7 • 4 13 <b>+ • ?</b>	3	1.4.7	71.7	1	/1.	21.i	9 2 . 6	7 1 0 1 7 2 0 1	1.	1.	1.	1.
≥ 900 ≥ 800		: 1	6.7 • 7 4 u • 6	35 • 7 51 • 6	71.6	3.7	73.2		17 <b>.</b> 15			6 3 . s 9 5 . 5		4 l	74.7 .5.1	
≥ 700 ≥ 600				52.0 52.0	94.5	<b>4.</b> 3	36.1	7 1	75.5	50.0°	96.7 37.1	75.0 77.1	76.5	67.1 17.7	77.1 97.7	77.
≥ 500 ≥ 400		100.7	8/ . 5 80 - 5	9	96 . 1 96 . *	5.5 6.6	97.7	3.4	7″ • 1 4 3 • 4	90.00 93.00	99.1 Gu.4	9 ! 9 4	. 1		74.7 59.	•
≥ 300 ≥ 200		3/07		6 N. 7	46.5	7.1	98.4	9.	03.7 00.7	94.7	14.7 59.1	, , ,	- <b>, 7</b>	34, L	99.7	
≥ 100 > 0		1 1 1 1	bt • 5	7. 9 7. 9	(2 t) ⊕ (1)	.7.4	97.7	9.5		• •		00.		70.7	70.7	47.

# **CEILING VERSUS VISIBILITY**

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ ¥	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING			4 . 15	ધારું,	क्य च ४	5 <b>3.6</b>	31.5	11.7	<1.7	62.0		53.1/	57.4	93.4	53.5	٠
≥ 20000		,	3 ?	· 0 . 5		<b>€3</b> •3	42.0	1.2.3	1000	5302		630 5		54 . "	£4.7	
≥ 18000 ≥ 16000		` 41.5 ; 47.66		5 - 5	6: •5	40.9	62.1	12.4	50.1 72.4	53.3	67.0	63.9		64.6	64.9	
		+		* • 1	5.7			_		» 3 · 4	86.7	6405	67.0	55.2	64.3	ti " • ·
≥ 14000 ≥ 12000		• "	35.4	1	62.7	61.3	62.5	62.0	67.4	53.5	55.7	54.4 55.7		66.3	65.5	ا د مواد اوران اوران
≥ 10000		1.5	5 ; 2	63.2	45.3	5.5	54.8	57.1	67.1	6 2	69.8	63.5	4.0.4	6.6.5	5.7	
≥ 9000			50.8	55.7	6 4 . 4	6.1	57.3	57.6	67.4	6 . 6	60.7	49.3	4 ; 6		76.5	٠.,
≥ 8000		4.0	62.5	65.6	60.0	50 . i	70.4	7 9	7 . 7	71.9	72.5	72.5	71.2	73.3	73.4	74.
≥ 7000		1 75 - 3	53.7	57.3	7 * • 1	78.5	71.4	72.3	7.7.7	73.3	74.	74.	7 44	. 4. 7	74.3	75.00
≥ 6000		:50	67.A	6 ° • 0	7:3	77.7	77.1	72.4	7.3.4	73.5	74.2	74.2	7 •	.4.9	75 - 1	75.3
≥ 5000		5.7	54.6	62.3	71.3	?1.?	73.2	23.€	77.6	74.5	75.3	75.5	75 .	70.1	76 . 7	* * • •
≥ 4500		1 501	64.2		71.	71.	78.3	12.0	7 7 . 2	74.5		75.5		6.3	1	77.
≥ 4000			8.03	70.4		73.7	74.0	75.2	7.02	7002	76.4	76.9		77.7	77.0	7.
≥ 3500 > 3000		•		77.1		75.7	76.5	75.6	75.0					77.4	79.5	5 . • 1
_ ≥ 3000				74 . *:		7.5	79.5	79.4	77,4	60.5		31.7	1.9	42.	32.2	•
≥ 2500 ≥ 2000		1.7		76.4	. "	.4 .5	1.3	1.6		3.00	H 3 4			a & . 1	24.3	4.
		, <u> </u>	77.5	7 - 3		-104	# 3 o 1	3.3	-304	34.5		37.43		:501	1000	87.1
≥ 1800 ≥ 1500		305	75.3	74.6	4 ( 1	4.2	37.4	3.9	3 7 . 7	94.9	35.7	30.7	9	35 4 80 0	80.2	
		7.	7.04	3.1	14.	.3.4	- 7 - 2	7.7	37.7	3.3	39.4	97.3	7	30	*	
≥ 1200 ≥ 1000		5.7	70.2	* * . 5	, ,	9.5	60.0			11.	22.	120	7	7	72.7	
≥ 900		5.7	7 3	1.4 g U	7.1	7.6	\$9.7	40.21	?	71.3	52.1	22.1	7.7	1	9 7 .	? 5
≥ #00		1.7.3	7 , 3	15.1	. 3 . 4	49.3	91.0	21.00	11.6	42.7	97.5	23.5	94.2	24.3	+4.5	25.
≥ 700 ≥ 600		67.6	7 . 6	75.6	80.0	39.5	91.4	~2.2	9 3 6 7	22.3	34.2	24.5	64.0	75 .	25.2	\$5.7
≥ 600		117.7	<b>0</b> 0	ن و ۱۰	8 7 . 5	e1.5	42.2	72.3	?	93.9	74.2	94.4	15.5	25.7	٥. ٠ .	24.
≥ 500		67.6		36.5	43.5	3.7	92.9	1	75.€	* 4 . 4	95.7	95.7		54.6	96.3	67.5
≥ 400		, , ,	57.4	-6.7		1.1	33.3	0.0	64.7	55.3	600	26.2	<u> </u>	57.	97.3	47.7
≥ 300 ≥ 200		67.5	87.4	47.0	90.	1.	94.7	34.5	34.5	96.2	¥7.2	77.2	36.0	36.1		•
<del></del>		1,7.4	A . (	27.1	9101	1.7	94.2	14.7	73.	34.5	57.5	97.5	74.3	C 8 . 4	55.7	
≥ 100 ≥ 0		1 07.	3 6	17.1	91.	1.3	94.2	5.0	75.0	76.6	! 1	97.6			98.9	99.4

 	TIONS	74 .	

# **CEILING VERSUS VISIBILITY**

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING		VISIBILITY (STATUTE MILES)														
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21%	≥ 2	≥ 11/2	≥ 1%	≥ ;	≥ %	≥ %	≥ %	≥ 5/16	≥ %	≥ 0
NO CEILING ≥ 20000		7	6' • 7	71.7	74.7	73.6 97.7	75.0 87.7		75. 7	78.3	75.5	75.3 33.0	75.3	75.3 28.1	75.3	75. 88.
≥ 18000 ≥ 16000		· • • 3	7 2 3	94.7		87.7 57.7	97.7 87.7	88.0	44. ) 48. ~	ر. د را	44.0 28.0	29.0 28.8	30 <b>.</b> ↑		39.0 38.0	anta. Entare
≥ 14000 ≥ 12000		15.7	7 3	53.7 54.0	37.3	1	87.7 88.7	38.7	34.5 33.3	19.3 33.7	85.7	6.01	20.5 53.7		5.7	: c .
≥ 10000 ≥ 9000		57.7	\$ 7. X		91.7		92.0	72.3	92.3	92.7	92.7	92.7	57.7 57.7		92.7	92.
≥ 8000 ≥ 7000		7 . T	93.7	80.7 98.5	93.3	74.3	93.7	24.5	94. °	74.2 75.0	94.3 95.0	75.7	74.3	98 . T	94.1 94.3	
≥ 6000 ≥ 5000		7	34.5	7:•3 5:•3	94.1	4.3	94.3	34.7 95.0	94.7 95.0	45.0 25.3	95.0 25.3	75.0	95.0	95. 05.3	95.3	
≥ 4500 ≥ 4000		3.3	34.3 34.7	0.7	94.7	4.7	95.0	35.	95.0 95.7	95.7	05.3 45.7	75.3	15.3	1	95.7	-
≥ 3500 ≥ 3000		15.7	54.7 35.0	01.3	1	5. 5.7	95.7	35.3	25. T	75.7 96.3	95.7	95.7 55.3	55.7 56.3	75.7 46.7	75.7	
≥ 2500 ≥ 2000		1.7	86.13 84.3	92.3	1	7.7	95.7		\$7. 98.	97.3 90.3		97.3 93.3	4.00			
≥ 1800 ≥ 1500		11.7	36. S	75.0 93.0	[		97.7		26°0 48°0			98.3 58.3		38.3 98.3	98.3	
≥ 1200 ≥ 1000		72.7	96.7 36.7	73.3	1 -		98.3		99.7 28.7		59.0	99.0	10.0	29.0	49.0	
≥ 900 ≥ 800		72.	85.7	75.3		8.	94.3	11.7	98.7 98.7	94.	77.0	99.5	33.5	79.0	99.0	6.0
≥ 700 ≥ 600		72.7	86.7 36.7	93.3	1 -	, .	96.3	20.7	98.7 95.7	99.	97.0	99.0	59.7	39.	99.7 99.7	99.
≥ 500 ≥ 400		72.3	87.7	94.0	95.3	78.7	99.7	29.3	09.3	79.7	99.7	99.7	19.7	99.7	99.7	29.
≥ 300 ≥ 200	<u></u>	72.3	37.3	94.3	Q= . 7		99.3	99.7	99.7	105.0	103.0		130.0	100.0		100.
≥ 100 ≥ 0		72.3	67. T	74.3			99.3							100.0		

TOTAL NUMBER	OF	OBSERVATIONS	

# **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING					_		VIS	ISILITY (ST	ATUTE MIL	ES)						ì
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 14	≥ı	≥ %	≥ %	≥ %	≥ 5/14	≥ 1.	≥ 0
NO CEILING		13.7	57.3	34.7	68.7	(9.0	71.3	72.7	72.7	73.7	74.7	79.0	**.0	74.	74.3	74.7
≥ 20000		58.7	64.5	74.3	77.3	77.7	ಕಿರ್ವ೦	1.3	01.3	32.3	33.0	33.00	4.1.0	43.	63.3	E * • 7
≥ 18000		42.7	64.	72.3	77.3			-1.3	31.3	n 3	3.3		r3.0	33.0	52.3	61,3
≥ 16000		4 4 6 7	49 B a "	7. 3		77.7	90.0	1.3	91.3	52.3	63.0	63.0	ר.יש	: 3 • 7	13.3	. 7. 7
≥ 14000		79.3	64.7	73.3		79.7	81.	2.3	a.7 • ₹	3.3	. 4	୍ଦ୍ୟ • ଠା	34.0	14.5	. 4 . 3	54.1
≥ 12000		44.0	5	74.0	79.7	79.3		93.	#3. T	34.0	40.7	P4.7	54.7	34 . 7	35.	•
≥ 10000		.5.3	60.7	73.0	35.0	13.3	55.0	17.3	e 7 . 3	82.3	- 1	89.0	83.3	50.	F 5 . 3	
≥ 9000		2.3	5/.7	78.0	93.0	3.3				10.3		69.	€ ° •	75.	63.3	
≥ 8000		4 . !	76.7	80.0	-	5.7	88.3		- 1	7. 7	91.3	71.3	1.3	11.3	71.7	
≥ 7000		7	71.7	91.3	A5.7		69.7			72.0	52.7	22.7	7.7	77.7		63.2
≥ 6000		4 . 7	71.7		\$5.7	37.5	87.7		- 1		92.7	92.7	92.7	92.47	93.	
≥ 5000		14.7	71.7	71.3	210.7	77.0	89.7	21.0	-	92.0	52.7	92.7	12.7	92.7		0 . 3
≥ 4500		:4.7	71.7	11.3			89.7	91.0			25.2	72.7	72.7	92.7	93.0	9 - 3
≥ 4000		3.7	7	P1.7		7.3		1.3	91.7	33.3	63.	23.3	93.7	73.	35.5	7.5.
≥ 3500		1 5 . 5	73.3	22.0	-	27.7	90.3	-1.7	1.7	52.7		92.3	8.7.3	93.3	6 7 . 7	
≥ 3000		5.3	77.3					91.7	91.7			3.5.3	.7. 7			
≥ 2500		5.7	73.7	A3.U			91.3	32.7	25.5	73.7	34.3	34.3	○ <b>4 •</b> 3	724 . 4	34.7	•
≥ 2000		7		44.0			92.3	13.7	63.7	74.7		95.3	<u> </u>	25.3	<u> </u>	: h.
≥ 1800		* C . 7		:4.3			92.7	74.0	×4 .	25.	C.S. 7	35.7	√~.7	25.7	4K . :	(5.3
≥ 1500		57.0	74.3		80.0		23.0	:n.7		>5.7		66.3	76.3	36.3	36.7	~ ? •
≥ 1200		37.0		45.0			93.3	°5.0	770	30.	36.7	6.7	5.7	66.7	97.	27.
≥ 1000		57.1	74.3				93.3	15.0	93.7	050	46.7	95.7	7 و را	26.7	77.	97.
≥ 900		17.0	74.3	*5.0	97.5	90.7	¥3.3	45.0	∴5 • <u>3</u>		94.7	96.7	96.7	96.7	77.	97.7
≥ 800		5.7.7				1.3		75.7	"5.7			97.3	37.3	97.3		
≥ 700		* * • 3	77.3	86.0		1.7	34.3	76.0	> 6 e 7	97.	47.7	97.7	•	97.7	68 ·	48.3
≥ 600		58.0	75.3	85.0		1.7		96.0		-		97.7		57.7	98.	7:03
≥ 500		48.	75.7	36.3		2.0	94.7	· 6 • 3	95.3	77.5		98.3	es D		G4.3	7
≥ 400		7.5	76.7				94.7		06.3			93.0	• • · · · · · · · · · · ·	98.5	78.3	
≥ 300		5.5	75.7			92.	74.7	6.3	96.3			98.1	4 ° • 0'	53.	94.3	39.7
≥ 200		14.	74.7				94.7	6.3		97.3		300	<u> </u>	* * • 1	98.3	
≥ 100		5.6 • ()					94.7	6.3	l .		- 1	24.7	, A , R	96.3	1	
≥ 0		53.7	175.7	P5.3	91.7	72.	94.7	96.3	36.3	97.5	97.	98.5	S 5 . 3	43.3	38.7	100.0

TOTAL NUMBER OF OSSERVATIONS

# **CEILING VERSUS VISIBILITY**

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	HBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ 4,	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	,	33.5	35.7	47.0	51.7	42.3	57.3	7.5	67.3	54.0 60.0	₩0.7 67.7	50.7 59.7	(0.7 70.0			71.
≥ 18000 ≥ 16000		.,	43.0	55.0	61.1 63.5	-2.7	56.3 65.3	67.7	57.7 57.7	60.5	77.0 70.0	73.0 75.0	70.1	70 - 5 70 - 5	71.0 71.0	7; . 72
≥ 14000 ≥ 12000		9.0	43.	55.12 54.7	51.7	62.7	55.3	67.7 59.5	67.7 63.7	64.3 71.	71.7	77.7	77.3	77.1	71.0	7: 7:
≥ 10000 ≥ 9000		72.7 33.0	47.7		67.3	70.3 70.7	74.3	75.1	76.1	73.5	72.7	78.7	77.3	79.3	67.11 30.1	٠١٠
≥ \$000 ≥ 7000		75.0 36.0	51.0		71.7	75.0 76.3	79.3	11.5 :5.5	31.3 33.0	3.7	24." 25.7	34.0 55.7	56.7	34.7 E6.3	65.3 57.	3.5
≥ 6000 ≥ 5000		150 €1 3 €	57.3	67.1 68.0	75.0	76 • 3 7 • 7	60.7 50.0	97.7	14.3	25.0	25.7 37.	97.	46.3	96 a I	H7.	ξ 4 <b>.</b>
≥ 4500 ≥ 4000		34.7	53.3	6 ÷ • 8 6 ° • 8	74.3	77.7 27.7	82.3 92.3		4.3 24.7	15.3 20.7	27.7 37.3	.,,	* ~ . 7	A7.7	88.7 88.7	4 ° .
≥ 3500 ≥ 3000	····	7.5	53.5	65.3 60.0		74.3	83.0	-5.3 -6.0	45.7	7.5	35 . 7	01.0 02.7	34.7		£2.7	? .
≥ 2500 ≥ 2000		78.2	54.3 55.0	55.3 70.3	75.7 75.7	70.3	94.6 85.0	7.3	05.3	88.3 84.3	95.3	# 4 0 3 6 7 • B	99.7 39.7		91.5	·1 •
≥ 1800 ≥ 1500		7	55.7	70.3		00.3 31.3	85.0 06.0	7.3	۶.۳. 2	89.3 92.3	20.7	91.5	97.7	92.	91.3 92.7	
≥ 1200 ≥ 1000		79.7 40.0	57.1	72.7			97.3 98.	69.7 90.3	39.7	91.7			31.3 24.3	94.0	94.7 94.7	c s
≥ 900 ≥ 800		4D • 5	5/.5	74.7	9:07	24.7	39.3	91.7	71.7	92.3 93.7	94.7	04.7	ાથ <b>.</b> † ઉદ્દુ	95.3	96.7	77.
≥ 700 ≥ 600		40.3	5 1 . 3 5 : . 3	74.3		15.7	97.7	22.7	72.7	94.1 94.3	95.3	95.3	95.7	76.5	96.1	27.
≥ 500 ≥ 400		3.1	3 ° • 3 • • • • • • • • • • • • • • • • • •	74.7	81.7	75.3	90.3	72.7	92.7	94.3	95.7	95.3	76.7	76.5	96.7	97.
≥ 300 ≥ 200	<del></del>	40.3	53.7 54.7		82.7	16.0		23.3	93.3	95.3	36.3	76.3	77.0	97.0	98.0	6 0
≥ 100 ≥ 0		0.3	5 - 7	1		6.0	91.0				96.3	96.3	67.0		98.7	

# **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MII	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ %	≥ 0
NO CEILING		65.	5 1.2	46.2	50,5	56.5	56.5	56.5	35.5		56.5	56.5	5103	55.5	54.5	(
≥ 20000		30	6 . "	53.6	2405	$\overline{}$	64.7	54.0	64.7	64.2	44.3	64.2	64.3	44.2	04.2	K
≥ 18000 ≥ 16000		3.1	6 1 6 5 5/ 6 5	63.6		54.2 64.2	54.7	. 54.2 54.7	64.2	64.2		64.2		64 . 2	64.7 04.2	
≥ 14000		3.	60.0	43.9				64.6	60.6		64.6	€4.6		64.5	64.	1 40 0
≥ 12000		. 4	51.5	.4.6			- 1	5.7	35.2	1	1		2.5	45.2	65.2	
≥ 10000		.8	65.2	59.2	73.2	70.2	70.6	73.6	7:	7 :00		75.6		76.5	70.5	7 .
≥ 9000		3.4	64.6	F9.6		77.6		70.3							7 .,	7 .
≥ \$000		41.7	60.0	72.9	73.7	73.4	74.3	74.3	74.7	74.3	74.3	74.3	74.3	74 . 3	74.3	74.
≥ 7000		2.5	7 . ?	77.6	74."		74.9	74.9	74.7	74.9	74.2	74.9	74.7	74.9	74.4	7.4.
≥ 6000		2.5	7 .2	73.6	74.4	74.5	74.7	74.9	74.	74.5	74.5	74.7	74.9	74.7	74.4	` ~ <b>.</b> .
≥ 5000		12.	7:	73.9	74.9	74.4	75.7	75.3	7:01	7 3	75.3	75.3	75.3	75.5	75.5	7°.
≥ 4500		13.2		74 . 3			75.6	75.6	75.0	1	1 1	7:06	1			
≥ 4000		3.0	7 . 4					74.6			75.6			70.5		
≥ 3500		3.5	71.2	7446		73.5	75.0		75.7	•		75.7	1 -		75.9	! 7 · •
≥ 3000		05.	7300	76.0			78.3		76.7	<del></del>	72.3			7305	<del></del>	7.
≥ 2500		8. Y . S	77.4	91.3	22.3	22.3	83.6	*2.5	43.6	3 € 0	32.6	12.5	12.6	17.6	1 82.6	- 1 T •
≥ 2000		46.5	<u>ુ⊌.</u> ე	47.6	AD.	69.5	27.3	10.3	и ; " 3	24.3	37.3	* 7 . 3				<u> </u>
≥ 1800		15.3	34.6	3	8 . 6	24 €	90.0	3(1.0)	ବ୍ୟକ୍ଷ	20.2	97.3	ق م د	***********	47.7	90.0	- C.
≥ 1500	_	700€	87.3	91.8	74.5	4 . 3	94.7	4.7	; 4.7	54.7			24.7	74.7	94.7	34.
≥ 1200		• *	91.	4.7	96.	6.3	95.3	36.3	75.3	26.3	54.3	26.3	14. 7	54.3	36.3	•
≥ 1000		1.0	97.	75.7	97.3	-7.3	97.7	67.7	97.7	97.7	97.7	.7.7	07.7	97.7	97.7	) <b>&gt;</b> 7.
≥ 900		1.5	97.	75.7	37.3	-7.3	27.7	47.7	07.7	77.7	47.7	97.7	24.1	97.7	97.7	41.
≥ 800		? . 3	95.0	96.7	98.3	94.3	98.7	7e.7	94.7	96.7	90.7	96.7	7 7	98.7	98.7	Ca.
≥ 700		3.3	97.0	96.7	76.	9.7	99.0	c9.	39.	44.	99.	97.	200	6000	69.	42
≥ 600		2.3	93.0	35.7	96.3	23.7	99.	69.0	99.0	99.0	99.0	60.3	79.5	40.	49.7	30.
≥ 500		2.4	¥3. 3	97.0	72.7	59.5	77.3	79.3	99.8	79.3	90.2	99.3	47.8	34.3	29.7	35.
≥ 400		2.3	9.7	97.3		9.3	99.7	V9.7	99.7	59.7	29.7	72.7	79.7	29.7	99.7	50.
≥ 300		2.1	77.7	77.3		9.3	100.7				150.0			100.0	100.9	1
≥ 200		12.4	93.7	97.3	97.7	9.3	140.0	1: 3.0	120.5	100.0	100.0	103.0	1:0.0	100.3	ס-מכנו	100.
≥ 100		2.	93.7								120.0					
ž 100		2.					1:00.0									

TOTAL NUMBER OF OBSERVATIONS

2 44

# **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	HBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ 4	≥ 0
NO CEILING ≥ 20000		450	3:07	4	3/03	47.	37.3	* 7.3	47.7	37.3 4.7.0	37.3	57.3 45.3	77.3			37.0
≥ 18000 ≥ 16000		46.	4 7	40.7	43.	49.	49.	49.7	4.	47	40 . 3	49.3	47.7	49.0 60.t	40.7	
≥ 14000 ≥ 12000		45.7	\$9.0 \$0.3	69.3	51.5	49.7	40.7	49.7	49.7	• • •	47.7	44.7	40.7	49.7	42.7	43.
≥ 10000 ≥ 9000		1.7	54.0	55.0	54.7	15.3	54.7	(4.7 55.3	54.7	55.3	54.7	54.7	54.7	1	54.7	54.1
≥ 8000 ≥ 7000		5.3	50.7	57.0	57.3	17.3	57.3 58.7	57.3 58.7	57.7	57.3 58.7	57.3 50.7	57.3 50.7	57.3 50.7	57.5	57.3 54.7	67.1
≥ 6000 ≥ 5000		5.3	51.7	FR. 3	35.7	38.7	58.7 59.0	19.7	59.7	34.	56.7	58.7	54.7	58.7	59.7	55.7
≥ 4500 ≥ 4000		5.1	59.0	7	59.0 57.0		20.2	77.3	50.3 62.0	59. 62.	50.0 62.1	59.0 62.7	_ 1 ° υ 2 ° υ	59.	10.7 62.	•
≥ 3500 ≥ 3000		71.0	54.7 74.5	2003	10.7	16.7	79.5	65.7	70.7	99.7	55.7	66.7	66.7 77.3	85.7 79.3	56.7	7.
≥ 2500 ≥ 2000		7 .	34.3	28.7	й • ў 94 • Э	. 9 . 3 ∴4 . C	98.5 94.0	18.3 -4.0	35.7 94.7	18.3		0 1 . 3 94 . D	२९ <b>.३</b> २५ <b>.</b> ₽		94.	
≥ 1800 ≥ 1500		6.1	91.7	74.5	94. 4	19.5	98.	-4 . 3	1, 4, 3 3 9 0 1	24.7	44.3	44.3	94.3	74.3	94.3	0.5
≥ 1200 ≥ 1000		7.1	94.	95.	94.7	70.7	90.3	73.3 79.3	93.7	94.5	96.5 99.0	94.3	59.7		99.3	1, <b>0</b> , 7
≥ 900 ≥ 800		7.1	94.7 95.0	6.D	78 • 7	48.7	99.1	39.7	99.7	99.3	99.7	99.3	-	99.	99.7	99.7
≥ 700 ≥ 600		7.1	95.0	78.3 98.3	90.0	9.0 9.0	79.7	19.7	39.7		99.7	99.7	39.7		-	70.7
≥ 500 ≥ 400	, , ,	7.7	95.	38.3 98.3	1	79.0	09.7 99.7	79.7	59.7	99.7	99.7		107.0		100.0	150°4 150°4
≥ 300 ≥ 200		.7.7	95.	98.3	96.9	99.3	99.7	49.7	79.7		99.7	•		160.C		102.U
≥ 100 ≥ 0		7.7	95.0	44.3	69. 93.	9	33.7	29.7	99.7	99.7	94.7 59.7	97.7	107.0	100.0		107.0

TOTAL MUMBER OF	CRSERVATIONS	

## **CEILING VERSUS VISIBILITY**

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							V15	HBILITY (ST	ATUTE MIL	LES)					•	
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 11%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING		74.7	41.	41.7	1	-1.	41.7	41.7	41.	41.7	41.7	41.7	41.7	41.7	41.7	41.
≥ 20000		5.7	58.	55.7	4	<u>∵3 • ;</u>	40.0	40.E	+C.0	43.5	47.0	60.D	್ರಾಧ • ದ	33.0	50.0	
≥ 18000		35.	53.3	8 17	60.3	50.3	60.3	60.3	5 ° • '	40.3	60.3	60.3	& <b>0</b> • 3	£0.3	* D * 3	5.0
≥ 16000		56.	5 % 3	6:00	60.3	60.3	6703	4/3	57.3	6: 3	မှုပါ	40.3	67.3	62.3	6/1.7	35.
≥ 14000		54.0	J 5 . 5	é 😘	50.3	10.3	<b>80.3</b>	6 d . 3	50.3	3 10 3	6.7 • 3	٠ ن : 3	50.8	40.3	67.4	ŧ -
≥ 12000		27.7	62.0	6-1 - 7	52.	12.	62.0	32.5	47.	0200	62.0	52.3	63.0	62.0	\$2.0	n .
≥ 10000		20.0	67.7	64.3	64.7	44.7	64.7	64.7	54.7	64.7	64.7	54.7	54.7	64.7	64.1	C. 44 .
≥ 9000		50.3	02.7	64.3	54.7	14.7	64.7	64.7	64.7	64.7	54.7	64.7	44.7	54.7	1.4 . 7	14.
≥ 8000		.3.0	55.7	67.3	67.7	47.7	67.7	47.7	67.7	67.7	67.7	67.7	57.7	67.7	67.7	67
≥ 7000		.4.7	67.	54.0	40.5	59.3	69.3	19.3	67.7	63.3	69.3	64.3	62.3	63.5	69.3	59.
≥ 6000		6.7	59.3	71.0	71.9	71.5	71.3	71.3	71.7	71.3	71.3	71.5	71.3	71.3	71.5	
≥ 5000		5.1	70.0	72.0	72.3	72.3		72.5	77.7	1		77.3	77.3	72.3	72.3	7
> 4500		67.7	770.3	77.7		3.0		73.0	73.0		73.1	73.0				
≥ 4000			72.3	74.7		15.0	75.0	75.3	75.3	1	75.00	75.1		75 .:	75.0	
≥ 3500		7.5.3	7/.0		7.7	78.7	79.7	75.7	74.7		78.7	74.7	7 . 7		78.7	
≥ 3000		~7.	34.	47.7	87.7	27.7	57.7	97.7	37.7	37.7	87.7	37.7	67.7	27.7		•
≥ 2500		- 1	17.	01.0		1.7	91.7	71.7	41.7	61.7	21.7	91.7		71.7	71.7	<u> </u>
≥ 2000			2 . 7		22.	-5.1	95.0	25.5	35.	95.0	95.3		75.3	45.3	45.3	
≥ 1800		7.1	27.7	74.	34	5.	75.0	15.0	35.	35,	97.3	95.3			15.1	•
≥ 1500		2	91.7	97.3	· · · . ]	6.7	96.7	66.7	96.7	97.5	07.7				07.7	
<del>+</del>		2.7	91.7	75.3	35.7	6.7	96.7	15.7	95.7		\$7.7			77.7	97.7	
≥ 1200 ≥ 1000			71.7	05.3	96.7	7.3	97.0		47.7	97.7			12.7	78.7	98.7	يدون
		.2.	71.7	5.3		7	97.0		27.5	57.7						
≥ 900 ≥ 800			93.	5.7	1 1	7.5	37.7		27.7			9.0	9 3	19.5	1	
		7.	9 '	75.7		97.3	97.7	77.7	7.7	7 1 3		79.0				
≥ 700 ≥ 600		3.	92.5	75.7	, - 1	7.3		27.7	27.7	1 7 1	90.0	39 C			1	!
<del></del>		3.7	92.1	35.7		77.3	7A . 1	73.0	470	93.7	20				100.0	
≥ 500 ≥ 400		3.7				7.1		- " .			• •					
			92.0	25.7			96.	· · · · · · · ·	29.7	00.7	30.3				100.0	
≥ 300 ≥ 200		3.7	97.0			77.5	9". 3	13.7	98.	97	00.3				100.0	
		3.7	92.0			-7.3	93,)	7.0	-3.1	76.7					100.2	_
≥ 100		33.3	92.0		97.0	.7.3	48.	13.0	94.0						100.0	

DATAL	MUMBER	OF	<b>OBSERVATIONS</b>		1 11

DIRNAVOCEANMET

GRANTING FIELDS FL

# **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST	ATUTE MIL	ES)		•				
(PEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 216	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000		1.	43.3	44.7	55.3	6.5	44.7	44.7 56.3	44.7	44.7	44.7	44.7	49.7	# <b>6 6</b> 4 3	44.7	44.7 St.
≥ 18000 ≥ 16000		1.7	64.	67.	67.	-7.3	67.0	67.0	67.0	67.0	67.0	67.0	67.0		67.0	67.
≥ 14000 ≥ 12000		-7.3	65.0	68.0 70.0	68.5 75.5	63. 70.0	68. 72.0	52.0 75.0	54.7	5 7 e 7	2	65.1 75.1	70.40 70.40	65.A	70.0	7.4
≥ 10000 ≥ 9000		""•5	73.7	76.7	77.0	77 . 3 78 . D	77.0 78.0	77.0 75.0	77.	77.0	77.0	77.	77.5	77.) 7=.	77	77.
≥ 8000 ≥ 7000		*4	7 . 3	91.7	87.0	12.0	82.1 34.0	13.0 64.3	F2 • ^	6.2 a Si	⊬2•0 2 <b>4•</b> 0	4 . U		1	57.0 ' 34.1	5 T •
≥ 6000 ≥ 5000		7.7	61.3	94.7	35.7	35.0	85.3		. 5 • 5 3 5 • 3	55.00 94.03	75.3 75.3	្ទ. ខ្ពុំ • ≸	65.0 65.3	35.0 86.3	*5.0	84.
≥ 4500 ≥ 4000		7.7	83.3	76.7 97.3	94. \$	4.3	86.3 88.3	77.3	υδ? 38?	36.3 36.3	86.3 52.3	33	F 6 . 7	56.3	46.5	3
≥ 3500 ≥ 3000		7// . 3	84.3	ີ່ເຄີ ເຄີຍຄື	94.7	69.1	99.3	39.0 32.0	22.1	40°3	99.0 92.0	99. °	R1.5 97.€	59. 92."	89.0	₿ Q •
≥ 2500 ≥ 2000		2.5	5 5 6 7	92.3 93.0	94.0	3.7	75.0	14.0 2.0	94.	95.	94. \ y5.3	94.	िस् <b>.</b> ^ ५८ <b>,</b> ४	74 a. 95 a 3	95.5	94. Cv.
≥ 1800 ≥ 1500		12.7	9	95.0	74 • 7 95 • 7	34.5	95.0 96.0	75.0 76.0	. <b>5 .</b> 7	55.3 76.3	55.3	75.3 96.7	95.7		96.7	
≥ 1200 ≥ 1000		3.7	21.3	94.7	96.3	75.7	96.5	6.3	97.7	36.7 93.7	77.0	97.0	-	l I	97.0	\$7. 90.
≥ 900 ≥ 800		4	91.3	95.0 95.1	96.1	6.7	97.7		97.7	90.7	95.7 50.0	99.0	ে <b>় ট</b>	79.0	99.0 99.0	
≥ 700 ≥ 600		- 4 - 1	91.3	9 % <b>0</b>	76.3	6.7	97.7		97.7	9A.7	99.	94.7	00°L	_	99.7	44.
≥ 500 ≥ 400		4.7	91.7	99.3	96.7	77.0	98.0	99.7 98.7	98.7		100.0 100.0				100.0 130.0	
≥ 200 ≥ 200		34.7		95.3	96.7	97.0 77.0		79.7		99.7	100.0	4		1 00 . 0 100 . 0	170.0 100.0	
≥ 100 ≥ 0		4 . 7		95.3		77.	98.0 98.0	28.7			-			100.0		

TOTAL MILMARS	OF ORSERVATIONS	* *

# **CEILING VERSUS VISIBILITY**

1 Field, 21 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST	ATUTE MIL	.ES)				•		
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21%	≥ 2	≥ 11/2	≥ 1%	≥ 1	≥ ¥	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING		.3.	50.1	52.3	64.	74.3	64.3	/4.3	54. ?	54.3	64.3	54.3	44.3	64.3	64.3	£4.
≥ 20000		5.7	74	77.3		61.7	31.0	11.0	41.5	01.1	41.7	21.0	<1.0	r1.0	\$1.7	71.
≥ 18000 ≥ 16000		5.7	74.0	77.3 77.3	_	*1.0	81.0	21.0	31.7	41.0	\$1.0 51.0	*1.0	41.0	81.6 71.6	01.7 31.7	*1.
≥ 14000 ≥ 12000		-5.7 -5.7	74.0	77.5		71.0 41.7	#1.3 #2.0	71.3	37.9	81.3	61.3 82.3	41.3	81.3 12.7	31.3	31.3	3 7
≥ 10000 ≥ 9000		65.7	74.0	81.3	95.7 95.7	36.0	86.3	* 5 . 3	35.3	65.3	86.3	26.3	25.3	96.3	66.3	f.s.
≥ 8000 ≥ 7000		71.7	81.3	24.7	84.7	39.3	89.7	99.7	42.7	89.7 90.3	99.7 77.3	20.7	111.3	89.7		60.
≥ 6000 ≥ 5000		72.7	87.3	55.7 55.3	₹	77.3	97.7	70.7	V 2. 7	73.7 91.7	93.7	21.7			95.7	4.7.1
≥ 4500 ≥ 4000		73.7	57.3	98.3	92.4	71.7	72.3	07.3	75.3	77.3	93.3	23.3	27.3			
≥ 3500 ≥ 3000		74.7	34.7	88.3 9(.0		3.3.0	97.7 95.3	13.7	¥3.7		99.7	72.7	37.7	44.7	91.7	•
≥ 2500 ≥ 2000		75	97.5	91.0		·5.7		76.3	96.8		76.3	16.3	96.7 03.		94 . Y	
≥ 1800 ≥ 1500		77.	80.	72.3		8.		38.7	95.7	76.7	74.3	76.5 99.9	17.0	79.0	G.	
≥ 1200 ≥ 1000		7.	\$7.3	93.3 91.3	77.7	8.7	94.7		49.7	99.	90.7	9.9	15 a f	) n . 7	99.7	99.
≥ 900 ≥ 800		7.	8 , 3	73.3		38.7	79.3	79.3	73.3	99.7	99.7	49.7	5.7	99.7	59.7	36
≥ 700 ≥ 600		77.5	3 . 3	53.3		8.7	99.3	79.3	39.3		99.7	99.7	7.7	29.7	\$9,7	96.
≥ 500 ≥ 400		77.1	8 . 3	73.3	40.7		99.3	19.3	49 T	+9.7	98.7	79.7	30.7	99.7	00.7	27.
≥ 300 ≥ 200		77.	89.3	73.3	95.	*A.7	99.5	19.3	, 0 . 7	15.7	30.7	39.7	17.7		190.0	-
≥ 100 ≥ 0		77.0	84.4	93.3	75.	98.7	79.3	00.3	C U . *		47.7	79.7	152.7	100.0	100.0	170 e

TOTAL NUMBER	0+	OBSERVATIONS		,

### **CEILING VERSUS VISIBILITY**

AHITIMS FIELD, FL

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) (FEET) ≥ 10 ≥ 1% ≥ 5/16 53.2 67.3 56.0 26.4 55.0 56.0 ≥ 20000 68. 69.5 59.5 60. 3. 67.9 70.3 ≥ 14000 70.2 ≥ 12000 74. 75. 76.1 77.1 76.0 73.1 77.5 70.0 ≥ 8000 ≥ 7000 7 4 . 5 77.9 79. 11. 71.0 11.2 87.1 11.2 71.5 \$1.6 ... 74.3 61.1 72.6 A2.4 24. 3500 3000 86 . 1 9.7 6.7 85.0 19.5 90.6 ≥ 2500 ≥ 2000 93.3 ٠٤.٣ 1800 1500 32.4 91.7 93.5 37.5 75.1 83.7 45.0 46.5 72. 6 . 7 ≎ 8 • 8 93.3 74.3 95.7 72. 56.2 97.1 1200 1000 84.2 74 . 7 56.3 95.0 97.5 97.3 97.8 36.8 94.1 · . 35.5 97.5 12.1 75.3 97.5 84.7 5 . E 134 . 2 77.4 96.1 94. ិ៦ - ម្ ¥7. 26.9 27.5 97. 95.1 37.3 77. 90.9 93.6 94.7 99.0 °1.9 73.6 300 200 97.5 48,1 95.1 97.1 77.1 79.3 94<u>.</u> 45. 99.1 73.2 8 . . 92. ..6. 99.: 77.5

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET

# **CEILING VERSUS VISIBILITY**

TTOO FIELD, FL

2 i 🖁

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MIL	.ES)		-				
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ ¥	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000		42.	61.2 73.5	54.¢ ≈3.2	71.2	71.	77.2	72.2 77.1	72.2	72.5	72.5	77.5	77.5	72.5	77.8	7 . 1
≥ 18000 ≥ 16000		12.1	72.5	33.2	8c.1	%6.1	37.1 67.1	7.1	57.1 57.1	97.4	37.4 F7.4	87.4 87.4	6 " . 4 / " . 4	87.4 67.4	27.7 87.7	57.1
≥ 14000 ≥ 12000		2.	73.1	83.2 83.8	26.1 36.7	.6.1 26.7	37.1	17.1 47.7	67.1 27.7	67.4	87.4 53	87.4 88.		67.4 68.0	67.7 38.4	17.7
≥ 10000 ≥ 9000		53.7	75.3 75.4	86.1 55.4	87.7 89.6	9.00	90.3 90.6	2.6	97.4	7:06	97.6	¢ ' • 6 y ' • 9	۸.		99.0 91.3	ç 1.
≥ 8000 ≥ 7000	L	- 44 14 - 14 4	76.4 75.4	€7.7 ₹5.0	93.5	11.3	91.0	91.9	91.7	12.6	97.2 97.6	92.6	75.6	\$2.4	05.2	7; • ¥
≥ 6000 ≥ 5000		4 . 4	- 1	88.9 38.0	91.5	11.3	92.2	12.2	46.3	77.5	27.6	90.6	97.9	97.9	Ç ₹.>	43.1
≥ 4500 ≥ 4000		4 7	76.4	23.4	91.8 91.6	1.6	72.5 72.5		65°V	02.5	90.6	92.5	47.9	43.2	97.5	· · · ·
≥ 3500 ≥ 3000		7 . 7	75.7		91.6	77.7	23.2	.3.2	92.4 93.2	77.4 93.5	97.0	93.5	45.0		34.7	. 4 .
≥ 2500 ≥ 2000		4.	78.0		94.7	~3.2 ~4.7	34.5	74 • 2 75 • 2	95.2	95.5	30.5	94.5	95.8	95.3	45.7 46.1	رون؟ <u>دونځ</u>
≥ 1800 ≥ 1500			79.6	\$2.6	95.2	95.3	96.3	76.0	95.2 96.2	97.1	y7.1	97.1	55 A	27.6	97.7	1.7.7
≥ 1200 ≥ 1000		5.6 <b>3</b>	70.9	91.9	96.1	6.1	97.1	7.1 77.1	97.1	97.4	97.4	77.4	67.7	97.7	98 • 1 98 • 1	96.1
≥ 900 ≥ 800		1 6 . 3 5	77.5	41.4	96.1	6.1	97.1	37.1 37.1	97.1	97.4	97.4	97.4	97.7	97.7	99.1	ا ه : و
≥ 700 ≥ 600		5		72.2	36.8	6.1	97.7	27.7	97.1	94.1	97.4	94.1	13.4	>9.4	98.7	3.
≥ 500 ≥ 400		54.6		27.2	95.0	56.8	97.7	77.7 -7.7	97.7	<b>38.1</b>	97.1 55.1	90.1 90.1	90.4	\$ 6 . 44 \$ 6 . 44	93.7 98.7	97
≥ 300 ≥ 200		50.4	80.3	72.2	96.3 46.8	77.1	97.7	7.7	97.7	45.4	75.4	55.4	59.7	99.1	99.4	
≥ 100 ≥ 0		56.5		02.2	27.1	77.1	98.1	₹.1	73.1			93.7	29.7		122.0	-

IATO	NUMBER	OF	OBSERVATIONS	
		•		

DIRNAVOCEANMET

## **CEILING VERSUS VISIBILITY**

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)								E MILES)								
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 11/2	≥ 1%	≥ 1	≥ ¥	≥ %	≥ %	≥ 5/16	≥ '•	≥ 0
NO CEILING ≥ 20000		7	53.2	8 .5		*?•:	74.5	74.5	74.5		. 1	75.2	V: . 5		75.5	
≥ 18000			62.3 82.3	76.1	92.0	34 o S	25.8 35.8	37.1	-7.1 -7.1	67.4	. 7.4	27.4	7.7	27.7		77.7
≥ 16000			6.03		97.9	4	25.0	-7.1	37.1	67.4	77.6	27.4	•	67.7	87.7	· ·
≥ 14000 ≥ 12000		40.7	63.6 63.6	76.5	83.2	15.2	87.1 37.4	57.4 57.7	87.4 87.7	27.7 28.1	* ~ • 1	34.1	3 1	18 <b>.  </b>   18 <b>.  </b>	7 • 1	(100) 2004
≥ 10000 ≥ 9000		-2.1	04.8	78.7	30.1	7.7	90.3	77.7	9 1.7	31.0	91.	13.0	1.3	i i	31.7	11.
		3.2	56.1	77.4 80.0	37.4	50.1	91.0 91.0	1.9	\$1.0	3	01.3	21.5	1.0	71.3	1.7.5	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )
≥ 8000 ≥ 7000		3 -	06.5	8 .7	8 4	30.0	22.6	7.9	3.5	3.2	2 7 2	63.2	7.4	03.0	77.6	43.6
≥ 6000 ≥ 5000		13.6	56.5	0 . 7	54.4	tr.	92.6	?	52.0	23.2	7 3 . 7	,3.2		93.6		1 3 . 2
≥ 4500		-3.5	65.5	.7	58 g 4	<u>+0•.</u> y0•.	97.6	12.9	7 . 7	93.7	47.7	¥ 2 • 2		33.0	3 Y . 6	
≥ 4000		-3.7	60.8	81.0	5 . 7	17.5	42.9	73.2	3.7	ي و د	73.6	48.6	٠,٥	13.7	75.9	
≥ 3500 ≥ 3000		-4	67.1	11.3	80.7 30.4	70.7	93.2	3.6	93.6	7 E . 7	0 8.0 24.2	4 ; v	_	-4.	54.2 94.5	
≥ 2500		.4.2	6 4	52.4		2.3	76.4			15.1	9 % a E	96.0		3.1	/ 1	
≥ 2000		44.	6 . 5	12.9	90.7	2. 1	4 u . ?	35.2	y5 . 2		e 4 . a	95.6	5.1	1	24.1	66.
≥ 1800 ≥ 1500		44.	5 .4	HZ . 9		.2.3	94.3		66.		- i	75.5	96.1	76.1	94.1	70.1
		45.5	5 4	33.0	21.0	73.6	25.5		45.0		97.4	97.4	97.7	77.7	37.7	07.7
≥ 1200 ≥ 1000		4 % 4 %	6 4	×3.3	31.	3.5	35.5			97.4	97.4		57.7	07.7	97.7	07.7
≥ 900 ≥ 800		45.5	6 . 4	83.9		13.6	96.5	46.6	96.4	37.4		47.4	97.7	77.7		0:
		45.5	67.4			4 . 7	97.1	77.4	97.4	9001	93.1	93.1	V 5 4	70 a 4	38.4	0
≥ 700 ≥ 600	1	45.5	67.4		92.3	4	07.1	7.4	57.4			23.1	48	- 4 - 4	98.4	0
≥ 500		45.7	50.7	84.2	92.€	94.5	77.4	97.7	97.7	95.4	38.4	98.4	50.7	48.7	43.7	0 0 7
≥ 400		43.1	69.7	24.2		₹ <b>4.</b> 5	97.4		97.7	78.4		\$ 7 . 4	70.7			63.7
≥ 300 ≥ 200		45.5	69.7	84.2	92.9	94 . 5	98.1	() () () () ()	93.4 95.4	99.	76.1	49.3	17.7	77.7		09.4
		44	60.9	84.2		74.6	97.1	2 H . 4	90.4	94.	60.7	G. 0	7.7		99.7	39.
≥ 100 ≥ 0		43.	95.7	84.2	47.	94 📲	93.1	. 6 . 4	97.6	174.	99.5	49.0	7.7	79.7	49.7	

G.

# **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)  ≥ 10 ≥ 6 ≥ 5 ≥ 4 ≥ 3 ≥ 24 ≥ 2 ≥ 14 ≥ 14 ≥ 1 ≥ 4 ≥ 4 ≥ 4 ≥ 4 ≥ 5 ≥ 6 ≥ 5 ≥ 6 ≥ 5 ≥ 6 ≥ 6 ≥ 6 ≥ 6 ≥ 6															
(FEET)  NO CEILING ≥ 20000	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 11/2	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ 1/4	≥ 0
			51.5	43.5		2.5	5.00	55.7	53.0	£1.2	41.6	61.J	cles	11.5	51.6	
≥ 20000			4 . 7	₹ , ₹	6 1 - 7	~2 . 3	67.4	19.7	64.7	7200	77.2	73.2	77.2	73.2	73.7	12.
≥ 18000 ≥ 16000		2.0	4 . 7	f 7 • 3	6 . 7	-2 • 3 -6 <b>? •</b> 3	67.4	9.7	67.7 64.7	72.5	73.2	73.2 73.2	73.2	73.2	73.7	73.7
≥ 14000 ≥ 12000		3.	41.0	63.0 14.2		:4.2	63.4		71.0	74.5	75.2	71 . 2	7	75.2	75.2	7 7
		7.7	44.2		64 . 5	* 6 • 5	71.5			70.0	77.7		17.7			
≥ 10000 ≥ 9000		77.7	49.1	50.7	70.3 71.0	71.9 72.0	77.4	°0,3	79.7 10.3	82.9	8 . 9 84 . s	63.9 84.4	\ 4 • ₹ - 5 • ₹	94.2 -5.2	16.2	" ( <sub>6</sub>
≥ \$000 ≥ 7000		7: , 7	50.7 51.2	61.0		75.2	al' • 7	12.9	53.0	de•i	5 7 · 4	27.4		£7.7		
						74.5	82.3	4.5	4 • 5	3 0 1	87.	# <b>*</b> • •	3.9 · 4	29.4	44.4	0 -
≥ 6000 ≥ 5000		7,07	51.7 51.7	63.6	75.2	76.3	87.3 57.2	4.5	4 . 5	3 - 1	85.0 89.0	13.0 37.0	10.4	59.4	50.4 89.4	
≥ 4500 ≥ 4000		, , 7	51.5	+ 5 • 6	75.2	70.5	87.3	14 . S	(4 . *	93.1	84.0	20.3	84	i	£4	
≥ 3500		7 . 7	51.9 01.6	63.6	75.2	76.5	82.3 87.3	4.5	54.5	30.1	\$7.	87.0 87.0	5	49.4	10 ° "	· ·
≥ 3000		,,,,	57.0	F4. N	7: 0 5	73.1	93.6	. 4	- act, 🚅	£ 4 ● €	8 . 7	• 3	7	7	* (* • *	71.
≥ 2500 ≥ 2000		1.0	55.5	5 / 1	97.7	79.4	24.9	7.1	39.7	9 3 3	91.5	100	71.0 94.5	C1.5	91.5	
≥ 1800		11.	31.5		47.0	11.7	27.4	:3.7	95.7	15.2	74.7	4?	4.5	94.	34.5	6 .
≥ 1500		2.3	5 . 1	6	91.0	2.5	3 R . 4	70.7	311 . 7	7 4 6 2	* • 4	70.2		15.	55.5	• 1
≥ 1200 ≥ 1000		2.5	56.1 56.1	60.0 51.0	91.3	3.7	63.7		91.3	54.5 74.3	(۱۳۰۶) دواوي	95.00	01.4	95.0	95.8	2+. 36•1
≥ 900		12.3	5 - 1	69.0	31.3	3.4	89.7	11.6	91.6	75.2	15.1	76.1	16.5	76.5	98.5	9.4
≥ 800		*2.3	30.1	67.3	31.3	3.2	87.0		11.1	7 2	95.1	76 - 1	5	×6 • 5!	96.5	37.1
≥ 700 ≥ 600		2.3	5 1	69.4	81.6	3.0	4 7 . 3 4 F 6	71.0	⇒1•4 31•4	95.2	46.1	96.5	36.5	96	76.5	*
		2.	56.	70.0	32.3	4.?	80.0	7.6	92.4	46.1	67.1	7.1	97.4		67.4	·· = <del></del> -
≥ 500 ≥ 400		2.	56.8	7.143		4.5	90.3	, ,	92.3	74.5	57.4	97.4	27.7		97.7	
≥ 300 ≥ 200		34.0	54.4	7 . 3	P • 6	4 . 5	77.3		\$2.0	96.1	1	27.7		V 1 • 1	95.1	7
		77.	56.0		32.0	405	77.3		27.	16.6		<del></del>			94.1	94.7
≥ 100 ≥ 0		2.	50.8 50.8	•	32.6	4.5	0 . 3	72.9	02.3	96.5	96.1	38.1	23.4 23.7		^9.7	

# **CEILING VERSUS VISIBILITY**

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ ¾	≥ %	≥ %	≥ 5/16	≥ '•	≥ 0
NO CEILING ≥ 20000		7.1	4 6 . S	6.9	50.7 63.2	3.2	5.1	1.3	1.	3 • : 5 3 • :	1.0	1.5	1.5	1.	1.	
≥ 18000 ≥ 16000		٠. د	5	67 a	50.0 53.0	3	67 {5	43.4	u3•^ ∪6•?	5 to .	(, T e	61.1			3 to 2	· · · ·
≥ 14000 ≥ 12000			61.	79.2 16.1	64 € 10 65 € 5	54.5 2 <b>5.</b> 5	47.2 27.1	12.1	12. • · 6 / • 1	67.1	, , ,				, ,	
≥ 10000 ≥ 9000		•	6 1 6 5	7 7 8	77.3	73.7 73.8	73.5 74.5	7 3 4	7 4 4	13.5 74.5	7:	73.00 74.00	7		74.0	
≥ 8000 ≥ 7000			71.0	7 ( . )	77.1	27.1	77. " 7= 4	7 . 6	7 5 4	77.	7 , 4		77.7 7.4	7.04	77.7	77,7
≥ 6000 ≥ 5000		• •	7 . 7	72.4	7 . 4	77.2	70.4	77.4	7 7	7	7	7	, , ,	7	7 1 2 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
≥ 4500 ≥ 4000		• •		7 4	7 - a u	13.4 73.7	70.7	75.4	79.1	7 7		7 - 6 + 77 - 7	70.4	7	?°••	. <u> </u>
≥ 3500 ≥ 3000		3.1	77.1		70.	3.2	67.5 94.1	*	• • •	••	• • •	• a • Z	. • ' . • • 3	-	<u> </u>	• .
≥ 2500 ≥ 2000		6 • 4 6 • 9	31.6			- (1 U . 4	3.7.1 3.9.1	7.1	47.9	<u> </u>	7.1	47.1 47.7		7.3.1		•
≥ 1800 ≥ 1500		•	31	7.7	30.7	1.7	57.7 71.7	11.1	91	62.3		2.0			•	•
≥ 1200 ≥ 1000		1.0	34.5	0.3	37.7	3.6	32.4 34.5	74 . 5	e	4.	35.0	93.6 33.00		*	- · · · · · · · · · · · · · · · · · · ·	_ •
≥ 900 ≥ 800				15	3 ( • )	3.9	2 44 a 47	74.5 74.5	)4.5 94.9		91.5	95.5	•	45.	• • • • • • • • • • • • • • • • • • •	
≥ 7090 ≥ 600		71.6	·, 7 , 1	70.7	94.5	4.5	75.5	1 • 2 3 • 5	55.3	15.5 15.5	95.1		- 1	* > • ()   ** • 1;	99.1	
≥ 500 ≥ 400	· <del></del>	7/03		44.5	95.3 95.6	"0 + 1	77.1	7.4	37.1 47.4		23 • 1 27 • 4			70.4	78.1	•
≥ 300 ≥ 200		2.0	24.1	94.5		1001	30.1	• 1	94.1 95.4	34.0	25.4	70.4 94.7		93.4 110.	19.5 1.0.1	• •
≥ 100 ≥ 0		7.4	39.1 3.1	74.1 74.5		6.	7 3 . 4	5 q	2. <b>.</b> 4		· · · · · · · · · · · · · · · · · · ·	7	, •		1889.7 }u 1•5.	k ` •

TOTAL NUMBER	^•	ORSERVATIONS		•
IOIAL NUMBER	Ų٢	OBSEKAVIIO42	 	

# **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12

CEILING	VISIBILITY (STATUTE MILES)															
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ 46	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000		74.3	3 . 7	31.3	31.0	12.3	32.3 42.3	72.3	52.3 42.6	32.3	32.3 42.6	37.3	37.3	_	37.3	37.
≥ 18000 ≥ 16000		77.1	46.7		4	42.0	42.6	47.9	4 7 7	42.9	47.7	42.0			42.0	
≥ 14000 ≥ 12000		74.7	41.7	41.7	\$2.5	45.2	42.9	43.2	43.0 45.5	43.2	43.2	43.2	47.5	48.	45.2	ч 5 •
≥ 10000 ≥ 9000		44 a. i.	4 - 4	ł	50.5 50.0	50.7 50.7	50.7 50.7	"1.0	51.7	51.0	51.0 51.0	(1.) 51.d	1.0	51.0	51.0 51.0	11.
≥ 8000 ≥ 7000		40.0	5.00	54.5	54.5 55.2	ि <b>५</b> • 8 ' <b>५ •</b> 5	54.0 55.5	75.8	55.3	50.0 55.0	55.2 55.0	55.8	5 7 . 2 5 . 8	35.1 55.3	55°•3	5.5.
≥ 6000 ≥ 5000		47.1	57.2	34.5	55.7 55.7	15.5	55.5 55.5	55.8	55.0	15.8 55.4	55.8 55.8	55.8 55.8			50.4 55.4	55,
≥ 4500 ≥ 4000		.7.5	57.5 55.5		57.5 57.4	55.3 57.7	55.7		15.1	55.1	56.1	56.1 56.1	50.1	56.1	56.1 55.1	* <del>.</del> .
≥ 3500 ≥ 3000		*1.°	57.3	75.2	01 et 76 e 1	15.5	61.5		63.3 76.5	52.3 75.5	57.5 76.4	70.3	15.2	76.5	52.3 76.8	7
≥ 2500 ≥ 2000		4	8 . 3 34 . 8	53.6 52.1	94.8 94.4	19.7	89.7		55.5 21.0	ة <b>.</b> و د	15.5 95.3	\$5.5 95.0		25.5 20.1	·5.	_
≥ 1800 ≥ 1500		7 • i	74.P	°a.1 ∵∵.3	87.4 93.4	94.2	34.7	3 .C	97.1 54.5	90.00 04.6	77.J	5 . 3	7. T	95.3		ا کا کا داد
≥ 1200 ≥ 1000		7 • 1	83.7	52.3 53.2	95.2	(4.2 (5.5	94.5 94.5	; - ;	94.00 95.0	96.6	98.5 96.5	94.9 96.3	53.2 27.1	94 . ? 97 . 1	55.2 97.1	
≥ 900 ≥ 800		7	8 . 7	3 1 • 2 4 • 2	95.3	·3.5	31.4		97.1	95.5	27.1	97.1	9 1 4	27•1 ≠7•4	97.1 97.4	77 77
≥ 700 ≥ 600		7.	8 · • 7		36.5	5 a	96 . 3	77.1 77.1	27.1	07.1	y7.1	47.1	-	07.4 57.7	97.4	S.7.
≥ 500 ≥ 400		,,,	4". 7 5 . 7		कुर्•ः कुर्•ः	10.1	97.1		97.4		67.7	97.4	29.1 6.4	433.4	5 3 . 1 34 . 4	
≥ 300 ≥ 200		77.4	8 . 7 6 . 7	_ 1	36.1 96.1	6.5	97.7	78.7	98.7		90.5	7:04	79.7		50 m 1.7 • 1	, و رو <u>و أ با ا</u>
≥ 100 ≥ 0			8 . 7		96.1	6.0	7.7 97.7		y 5 . 7	99.	79.	0	09.7		193.9 195.3	i 1

TOTAL NUMBER OF OBSERVATIONS

317

# **CEILING VERSUS VISIBILITY**

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 1%	<b>≥</b> 1	2 %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	·	40.7	27.7		;,7	0.1	20.7	77.7	41,47	20.7	25.7	27.7	4:47	29.7	45.	, , ,
≥ 18000 ≥ 16000		W	4	45.5	45.5	45.5 49.5	45.5	45.5	41.5	4 .5 4 : .5	40.0	44.5	46.5	45.5	45.5	4
≥ 14000 ≥ 12000		1.	4	4 - 6 3	45.5	1.63 a 5 ö a 44	46.5	46.5 40.4	45.5	40.4	4 . 4		46.5	11 K . C.	46.5	4 .
≥ 10000 ≥ 9000		, , (	54.7	5 4 . B		*5.5 5 <b>5.</b> 5	55.5 55.5	75.5	65 s	55.5	4	55.9 55.8	: s	55.5 55.0	55.5 55.6	
≥ 8000 ≥ 7000			47.4 5.4	50 · 1	5 . 4	29.4	57.4 61.3	9.4	59.4	50.4 81.5	9 C . U	61.3	57.4 11.3	55.4	50.4 61.3	5
≥ 6000 ≥ 5000		5	5 • 3	0	51.5 82.6	1.5	51.1 57.5	61.3 c2.6	5.7	6 1 . 3 5 1 . 6	51.7	61.1	57.6	bios bior	61.3	51.5
≥ 4500 ≥ 4000		3.7	61.3 62.6	64.2	103.8 11.2	63. A	63.6 66.1	63.6	63.5 65.1	63.0 34.1	03.b	63.6	67.6	43.6 66.1	63.1	5
≥ 3500 ≥ 3000		3.	55.8 75.8		, ,		77	77.9	70.7 85.0	7:07	70.7	73.7	7 .7	73.7	77.7	7 .7
≥ 2500 ≥ 2000		,,,,	51.9 35.8	35.5 37.7	53.7	48.7 5.6	89.0	47.19 43.9	\$ 7.	39.4 14.8	89.4 94.2	51.4 94.2	4	GR * 2	94.4 94.5	6 44 3445
≥ 1800 ≥ 1500		2.0	47.1	31.7	91.6	3.5	93.9 95.2	33.Z	\$5.7 73.7	94.2 95.5	· ·	94.2 45.8	34.5 27.3	97.1	94.5 97.1	3).
≥ 1200 ≥ 1000		77.5	57.1	91.0	94 37 3	94.8 95.8	96.3	76 • 5	98.5 66.5	98.1	98.8	96.8 90.1	97.1	97.1	97.1 74.4	9. •
≥ 900 ≥ 800		13.6	B 7 . 7	91.6	95.8 95.1		96.5	9.5	95.5 95.6	98.1	08.1	98.1 98.4	19.7	78.7	52.4 08.7	93.4 91.7
≥ 700 ≥ 600		75.0	56.1	91.9	96.1	5.1	96.5	56.8 36.8	96.9	50.44 95.4	98.4	93.4 93.4	51.7 54.7	95.7	48.7 38.7	7
≥ 500 ≥ 400		77.3	S	3	95 e 5	6 • 3 5 • 5	97.1	7.1	97.1 57.1	96.7	78.7	98.7 98.7	20°#	79.4	99.4	99.4
≥ 300 ≥ 200		110	3 . 4	92.03 27.3	96.5	9	97.4 57.4	7.4	97.4	99.0	90.3	39.5	35.7	99.7	99.1	39.7 185.
≥ 100 ≥ 0		13.0	30.4 32.4		94.5 75.5	5.5	77.4	97.4	77.4 97.4	79.	30.7	90. 90.	39 <b>.7</b>	19.1	99.7	-

TOTAL MILLER OF ORSERVATIONS	,

STATION NAME

# **CEILING VERSUS VISIBILITY**

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	CEILING VISIBILITY (STATUTE MILES)															
(PEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ ⅓	≥ 5/16	≥ ¼	≥ 0
NO CEILING		7.01	2 7	• • •	30.1	0.3	30.3	*0.3	30.2	30.5	30.3	30.3	\$0.3		\$ 30.5	1
≥ 20000		<u> </u>	<del></del>	17.4	57.7	-8.4	5 4 4	: 3,4	E 1 . 4	50.4	50.4	55.4		33.4		5000
≥ 18000 ≥ 16000		. 44 . 4 . 45 . 4		57.4	57.7 57.7	"A . 4	50.4	58.4 55.4	53.4 54.4	58.4 58.4	5 . 4 5 . 4	56.4 56.4	1953 <b>6</b> 1953 <b>6</b>	50.4 50.4	54.4	5 3 • 4 5 3 • 4
≥ 14000 ≥ 12000		4 + . !! " D • 3	55.2 55.1	53.4 61.3	59.7	52.3	59.4 67.3	< 9.4	50.4	57.4	50.4 62.3	50.4 52.3	5 . 4	12.3	19.4	i .
≥ 10000 ≥ 9000		37.1	<del></del>	69.0	53.4	70.7	71. 71.5	71	71.	71.0	71.	71.0	71.5	71.	71.0	11.
≥ 8000 ≥ 7000	-	43.2	72.3	70.5	75.2	73.1	79.4	74.7	75.7	7 = . 7	78.7	75.7		-	75.7	7 1
≥ 6000 ≥ 5000		-3-5	74.9	30.4	81.5	12.0	82.3	13.6	92.6 83.6	62.5	2.00	52.6 53.6	32.6		67.6	
≥ 4500 ≥ 4000		6 . 1	7 . 4	82.8	31.0	2.7	53.2	7.6	5.7		8 . 0	1.0	₹.€		33.6	
≥ 3500 ≥ 3000		(6.4	7 5 . 3	2.7	44?	5.1	95.8	6.1	\$6.1 Vu.7	25.1	55.3		1 4 • 1 20 • 7	15.1	36.1	
≥ 2500 ≥ 2000		50.7	9 2 6	5 * . 1	71.6	2.3		74.2		93.6	42.6	93.5	. 7.4	93.6	03.0	Q
≥ 1800 ≥ 1500		1.	85.2	20.7	93.0	12.3			94.7 98.5		94.5		<u></u>		44.5	9 4 . 1
≥ 1200 ≥ 1000		10	200 ± 5 8 5 ± 5	51.7 91.3	94.5	5.5	96.5		71.1	97.1	97.1	27.4	47.1	97.4	97.1	97.
≥ 900 ≥ 600		1.5	35.3 85.8	91.0	34 . m	36.1	77.1 97.4	7.4	97.4 97.7	97.7	97.7	57.7 9 .1	97.7	97.7 98.1	97.7	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
≥ 700 ≥ 600		73.0		73.7		9.5 7.1	97.7		93.7			उट,4		19.0	39.0	77.
≥ 500 ≥ 400		12.1	57.1	93.2	96.5	7.7	49.	.9.4	70.4	23.7	95.7	79.7 49.7	17.7		20.7	(y,
≥ 300 ≥ 200		72.0	87.1	93.6	94.0	78 . 1	99.4	9.7	39.7 39.7	i	100.0		1.3.0	100.0 100.J		
≥ 100 > 0		2.5	37.1	93.6	-0.2	39.1	20.4	27.7	99.7	11:00	107.0	190.0	3 : 7 . 7	100.0	100.0	170.

TOTAL NUMBER OF OBSERVATIONS 713

## **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 1¼	≥ 1	≥ %	≥ %	≥ %	≥ 5/14	≥ ¼	≥ 0
NO CEILING ≥ 20000		7.1	4 1	71.5	50.6 73.5	73.0	52. 4 74. 2	53.2 79.5	58.7	93.2	53.2	53.2	74.5		!	32.2
≥ 18000 ≥ 16000			65.5	71.6 71.8	73.4	73.6 73.6	74.2	74.5	74.5	74.5	74.5	74.5	4.5	74.5	74.5	7
≥ 14000 ≥ 12000		10.3	65.8 67.4	71.9 73.5	73.9	73.7	74.5	74.8 10.5	74.0	74.0	74.8 76.5	74.8 76.5	74.5	74.5	76.7	7
≥ 10000 ≥ 9000		• 1	73.9	81.5 81.0	43.0 33.0	3.5	34.2	4.5	ر ان ور ان ان ان ان ان ان ان ان ان ان ان ان ان ا	0 4 ± 5 2 4 ± 5	.4.5	64.5	14.5		843 343≅	84.5 5.5
≥ 8000 ≥ 7000		7.1	77.7	35.2 46.5	47.7	18.1	89.7 90.0	99.0 -0.3	99. 90.7	50. 33.3	8	1,0,1	80. 3	09.1	87.1 90.3	30.
≥ 6000 ≥ 5000		4.	70.1	45.5 06.4	89.4 89.4	19.7	90.0 90.3	.Q.7	93.7	90.7 1.0	90.7 1.0	95.7 71.0	71.7	9:.7	90.7 41.3	77
≥ 4500 ≥ 4000		- 2 - 3	73.4	86.8 37.1	89.4	67.7 (0.3	2".5	71.5	1.7	71.6 71.6	1.6	91.0 91.5	71.0 -1.6	71.0	51.0	~1.
≥ 3500 ≥ 3000		1.1	70.7	87.4 69.3	91.7	53.7 52.3	91.3	1.0	97.0	93.5	73.7	91.9	27 3	73.9	91.7	3
≥ 2500 ≥ 2000		3 • 2 3 •	32.7 33.9	91.0 91.9	93.0	74.2 75.2	95.2	98.9 96.2	96.5	95.5		95.3	95.8 95.8	95.0	95.8	99.
≥ 1800 ≥ 1500		4.5	83.9	91.9	94.	55.8	96.1 94.8	76.8 77.7	96.4	96.5		96.6 97.7	24.A	,	96.4	97.7
≥ 1200 ≥ 1000		7 th a 2	34.5 84.9	97.9	95.8	76.1	97.1	98.1 95.4	73.1	99.4		99.1	98.1	95 • 1 98 • 4	98.4 98.4	او پر جوند اجمع <u>کرد</u>
≥ 900 ≥ 800		4 0 7	84.8 84.9	92.9 92.9	95.1	6.5	97.4	아무박 작용박	73.4 95.4	06 • #	79.4	9 F . 4	ફેસ <b>ુલ</b> હદ <b>ુલ</b>	78.4 98.4	98.4	9 . u
≥ 700 ≥ 600		- 4 o 5	84.9 84.8	92.9	96.1	6.5	97.4	55.4 55.4	95.4	. • •		96.4	7 A . 4	73.4 98.4	78.4 98.4	98.6
≥ 500 ≥ 400		14 . H	34.7 94.9	92.9	96.5	6.3	97.7	98.7	99.7	98.7	40. 3	95.7	79.0	79.	99.7	95.7
≥ 300 ≥ 200		64 . F	34.9	92.9	96.4	97.1	98.4	0.4	77.4		90.7	79.4	79.4		70.4 90.7	79.4
≥ 100 ≥ 0		. 4 . 3	54.7 64.7	0	97.1	7.4	58.7 95.7	9.7	99.7 99.7		100.0 101.0			- 1	100.0 135.1	100.0 100.0

TOTAL	NUMBER	OF C	DESERVATIONS	

DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

# **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING			41.7	4. 4	1		13.0	F . 3	0.3	-		5 7. 7		1 . ;	T	-
≥ 20000		115.	54.7	61.0			5.00	£0.3	3 D .	76.5	1.6.6	56.5		-	1.6.5	
≥ 18000 ≥ 16000		42.4	34.9	61.1	t, t	€ <b>₹</b> ₩.5	65.7	6.1	50.1	05.6	66.6	16.6	16.7		1,6.7	
		4 • *	30.6	4101	64.7	14.5	66.5	16.2	56.2	67.3	67.4	6 3 4	1. 1. 5		67.	1. 7 . 1
≥ 14000 ≥ 12000		- 1	57	63.5	64.7 56.5	57 · C	58.2	14.6	69.6		59.2	5 . 2		1		
		* 1	<u> </u>	5 £ • d	77.1	33.6	74.1	4.5	74.5			7: 1	7 . 2		75.2	75
≥ 10000 ≥ 9000			62.7	69.3	72.5	73.0	74.0	5.0	7	7: 5		75.6	•	75 7	75.7	
≥ \$000			55.4	7.7.5		78.0	77.9		7 .7	7, 0		7			79.1	7.
≥ 7000		1.2	65.6	73.7	77.5	77.0	79.2	79.7	79.7	A .2	٠ , ١	37.3	* 7 . 4	.0.4	37.5	
≥ 6000		1.7	13.50	73.7	77.3	74.	77.4		74.5	5 . 6	3 • " ي	4.4	F 6.	91.00		•
≥ 5000		1.4	57.0	74 . 1	77.7		70.3		• • •		. ≥ <b>.</b> 7	* 7	:1.7	21.0	-1.	
≥ 4500		1.3	67.7	74.3			79.9		. 4		81.	11.	.1.?	1 .	11.	1.
≥ 4000		1	67.	7: •2		79.5	80.4	71.4	-1.4		F . •	< ? • `	• 1	25.1	• ` • `	
≥ 3500		3.1	1			- 3 • €	62.2				5 7 . 3	03.3	l	. •	33.	<b>*</b> * • •
≥ 3000				10.9			37.2		57.7	83.42	5-03	3	3	11 6 . 4	13.5	
≥ 2500	l	• •				8.9	- 1	- 1	95.0			1.7			91.	- 3 •
≥ 2000		•	77.7			1.3	92.5		73.7	* 3 • 7		7. J. R			¥ # • I	
≥ 1800		• 1			9	11.5	92.6		< 3 - 1	? \$ . 2		•		-4-1	• •	. 9 M ∰ .
≥ 1500		1.4	79.3	87.6		2.9	34.5		16.3	5.4		[ to ]	CAOT	6.3	36.	
≥ 1200		1.5	7 . 6				74.9		75.1	5		- 4.3		1 6 • 5	74.4	•
≥ 1000		100	3	5.3	1	- 3 . 3	35.5		35.1	75.0	77.				¥7.3	57.
≥ 900		1.9	30.0	. 3	1 1	33.8	95.6	1	35.1	. •	97.1		77.3	. •		•
≥ 600		1.1	83.1	2 5 . 4		4.	75.3		78.4	97.2		¥7.4	97.6		97.6	\$7.1
≥ 700		11.	63.1	50.3		24 · 1	75.7	26.5	- 6 - 5	97.	97.5	97.5			97.7	37.
≥ 600			37.3	58.7		4.3	95.1	~6.7	76.7	7.5		97.7		1		
≥ 500 > 400			30 . 6	-	94 . 1	4 . 0	76.7	77.2	97.3	70.1	17 A)	98.3	07.7		34.8	•
	<del></del>	7 6 0 0			1 - '1	5.0	97,1	7.7	27.7	Q4.7	93.0	94.9	39.2			
≥ 300 ≥ 200			35.6			45.1	77.2		97.4	- 1	- 1	99.1	77.5		1	94.
			3 . 6			5.2	97.3	7.0	97.0		00.2	93.2	7.6			
≥ 100 ≥ 0		3	37.4			~5.2	77.3	1 1			33.3	20.2				

TOTAL	NUMBER	OF OR	SERVATIONS	

### **CEILING VERSUS VISIBILITY**

73-92

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) CEILING (FEET) ≥ 10 ≥ 6 ≥ 5 ≥ 3 ≥ 2 ≥ 14 ≥ 14 ≥ 5/16 ≥ 21/2 ≥ 1 NO CEILING 41. 72. 71. 73. ≥ 20000 35 . 2 11.9 71. H6.5 ≥ 16000 ≥ 14000 ≥ 12000 71. 21.9 6.5 16.8 35. 16.0 ≥ 10000 ≥ 9000 91. 21. ≥ 8000 ≥ 7000 \$7.5 RE . 1 71.0 معت 6000 5000 2. 94.5 3500 3000 2500 2000 94. 1800 70.3 25.5 26.2 27.4 71. 94 . 91. 900 75<u>.</u> 98. 700 600 91.0 78.1 78.1 99.1 500 400 98. 44. 71. 98.4 300 200 75.4 71.9 950 98.4 5 A .

TOTAL MIMBER	OF ORSERVATIONS	1

### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) CEILING (FEET) ≥ 2 ≥ 3 ≥ 2% ≥ 1% ≥ 1% ≥ 20000 37,1 83.6 47.1 57.1 87.7 63.6 34.2 36.8 :7.1 97.1 87.7 67.7 57.7 37.7 37.7 .1. 33.6 ≥ 14000 ≥ 12000 36.8 87.1 87.1 37.7 67.7 A7.7 90.1 .7.1 ≥ 10000 ≥ 9000 86 . 93.0 103.3 9 7 . 3 11.0 91. 21.0 71. 87.1 42.9 73.5 ≥ 8000 ≥ 7000 43.2 0.3 10.1 93.2 3.6 73.6 94.2 ≥ 6000 ≥ 5000 ≥ 3500 ≥ 3000 ≥ 2500 ≥ 2000 96.8 77.1 97.1 96.3 700 400 77.1 96. 27.1

TOTAL MU	MARK OF O	ASSEVATION	8	₹ :	١.

DIRNAVOCEANMET

# **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
(PEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ ¥	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000		1:•4	30.4	\$4.5 52.3	56.1	5.i	( '. 5 a#.1	63.9 72.5	53.°	65.8 74.3	68.8 75.6	66.3 73.3	16.5	56 . t 72 . 4	67.1	17.1
≥ 18000 ≥ 16000		1.0	3 · . ?	52.6	63.6	€5.€ 65.€	60.4 68.4	72.3 72.3	3 . U	75.2 75.2	74.1 70.1	75 • 1 76 • 1	76.1	76 • 1 76 • 1	75.4	77.
≥ 14000 ≥ 12000		2 • 3 2 • 5	4 - 3	53.2	64.7 54.5	16.5	69.4	73.4	73.6	75.5	76.3	76 •3 27•1	74.9	75 . s 77 . l	·7.4	71.1
≥ 10000 ≥ 9000		24.2	43.2 43.2	57	61.4	70.7	74.2	77	79.5		6.7.9 1.1.9	67.4	4 7 • \$ 7 6 • \$	5 2 6	/ 1.6	3 <b>4 .</b> .
≥ 8000 ≥ 7000		75.6	400	41.7	71.7	75.5 75.0	77.7	# 4 . 5	44 e	* 7 . i	45.4 87	47 • 4 20	. = . 7	6 . 7 BC .	64.4	
≥ 4000 ≥ 5000		74. b	41.1	.1.3 61.6	73.2 73.6	76.3	50.0 50.3	-4 . r -5 . 2		67.7	en. 82.7	30.7	87.4 8	97.4	9 . ^	< , ,
≥ 4500 ≥ 4000		](•} (a•	47.1 41	51.6 62.0	7*.4	76.1	81.1	5.2	7.7 26.41	14 .4 8 2 . 4	87.7	80.7 80.7	7.5 25.6	7	19.7	1
≥ 3500 ≥ 3000		7.1	4 . 4	62.9 62.9		77.4	81.1	7.4	300°	3 7	/1.3 91.3	*1.5	1.6	1.6	2.	91.0
≥ 2500 ≥ 2000		17.1 1.1	क्षण्डस स्वत्रुव्य	63.2	76.1	7a - 7 7a - 7	,	39.1 -3.1	he •1	21.	c	12.6	\$	აე. 12 - g	3.6	, j
≥ 1800 ≥ 1500		77.1	4 4	45 e2	76.1	75.7	83.7	6.1 -3.0	30.7	91.3	97.6 93.6	 5 <b>3</b>	23.0	03.4 33.4	73.6	د قد ما مدالت ما
≥ 1200 ≥ 1000		7.4	49.7	64.8	77.1	79.7 80.7	84.7	<i>a</i> , ,	200	9 3 a 6	9 1.6 93.2	7.5 25.2	د. د. د د د	193.	54.5 26.1	27.4
≥ 900 ≥ 800		7.7	40.7	64.8 65.5		43.7	1	13.1	9 1. 1 9 1 . 3		65.1	51.2 45.1	55.5	35.5 36.5	76.1 77.1	97.1
≥ 700 ≥ 600		, , ,	47.7	65.5	73.4	1.6	95.1	21. 11.3	71.7	24.5	96.1 96.1	96.1 96.1	94. F	66.5 66.5	97.1 97.1	33.1 5:01
≥ 500 ≥ 400		77.7	49.7	0: • 5 • 5 • 5		11.5	#5.1 86.1	1.5	41.4	74.5			96.8	96.5		96.4
≥ 300 ≥ 200		27.7	45.7	60.4	76.7	01.9	86.5 66.6	27.3	92.6 92.6		97.4		97.4	97.4	98.1 98.4	99.
≥ 100 ≥ 0		7.7	4 C . 7	65.6		81.4	်စစ် မိစ် မ	11.5 92.3	47.6 74.5		\$7.7 97.7	\$7.7 57.7	90.1	93.1 93.1	28.7	99.7 Da.

TOTAL	HILMBER OF	PHOTEVERSAN	1

DIRNAVOCEANMET

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## **CEILING VERSUS VISIBILITY**

effice of FIELD o FL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

							VIS	IBILITY (ST	ATUTE MIL	.ES)						
CEILING (FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21%	≥ 2	≥ 1%	≥ 14	≥ 1	≥ %	≥ %	≥ %	≥ 5/14	≥ ¼	≥ 0
NO CEILING ≥ 20000		47.4	52.3 59.7	63.0	55.2 63.2	°5.2	'	55.2 63.0	55.2	55.2 63.0	55.2 63.6	55.2	63.6		55.0	1
≥ 18000 ≥ 16000		99.7 10.0	50.5	62.3	1	53.6	63.2		63.7	63.5	63.9	63.9 64.2	63.2	64.2	64.2	!
≥ 14000 ≥ 12000		0.d √1.	50 • 3 42 • 5	67.3	65.4	43.0		44.2	54.2 65.1	54.7 nt.1	64.2		06.1	54 . 5 66 . 5	66.5	66.
≥ 10000 ≥ 9000		5 <u>5</u>	0 % . 4	70.3	71.7	71.0	72.6	72.5	71.6	72.6	71.6		77.6		7 4	7.9
≥ 8000 ≥ 7000		19.4 19.4	72.6	74.8 75.2	77.4	77.4	7:01	7 - 4 1	77.7 75.1	77.7	77.7	77.7	73.1	78.4	79.4	7:01
≥ 6000 ≥ 5000		0.1 0.0	73.2	77.0	73.4	7		71.4	72.4	7. 4	79.4	75.4	10.4	79.7		77. 77.7 77.7
≥ 4500 ≥ 4000		•	73.4	75.1	74.7	78 7	77.7	79.7	74.7	77.7	79.7	79.7	72.7		57.5 27.5	3
≥ 3500 ≥ 3000		1.3	77.7	78.4	£1.	1 3	87.3	45.6	<b>3</b>	3	97.3	* 2 . 3	3.00		3.6	67.U
≥ 2500 ≥ 2000 ≥ 1800		5.	91.3	62.9	56.4	26.8	34.1	78.1	3 : 1	23.2	50.1	24.1	1.1	90.4 57.0	89.0	E .
≥ 1500 ≥ 1200	<del></del>	75.7	85.5	89.7	91.0	13.2	93.2	76.5	73.2	94.5	99.2 99.5	91.2	24.5	93.6	74.8	53.€ इस.स
≥ 1000	- <del></del> -	72.9	80 a 4		95.2	5.2	96.5	36.5	95.5	96.5	96.5	76.5	74.5	°6 • 5 ≎ • 8	96.5	L
≥ 800 ≥ 700		73.2 73.6	5 A . 7	-	95.5	16.5	97.1	97.1 73.1	\$7.1 \$8.1	97.3	97.1	97.1	7.1 50.1		97.4	c
≥ 600 ≥ 500		73.6 73.9	8 . 4	92.9	97.1	17.1	75.7	8.7	94.7	96.7	38.7	79.4	98.4		99.	07.
≥ 400 ≥ 300 ≥ 200		73.4	80.7	92.9	97.1	9.1	98.7	39.0	99.0	99.0	79.0	99.3		09.4	39.4	79.6
≥ 200 ≥ 100 ≥ 0		73.7	87.7 87.7	97.9		97.4	99.4	79.4	99.4	09.7	90.7	99.7	79.7	99.7 0.0 190.0	99.7 100.0	រោធ.១

		۸.		1 )	. '
JATE	NUMBER	OF.	OBSERVATIONS	•	٠.

## **CEILING VERSUS VISIBILITY**

ONITING FIELD. TL 73-92

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ ⅓	≥ 5/16	≥ 1,	≥ 0
NO CEILING ≥ 20000		6.1		32.9	32.9	12.7	32.9			32.7	37.5	37.7	1,0		3.7	32.4
		* * 1		4 . 2	45.2	4300	45.5	45.5	4	45.5		45.5		45.5	45.5	
≥ 18000 ≥ 16000		3 % . 1 3 % . 1	4 5 6 2	45.2	45.2	45.2 45.2	45.5 45.5		45.5	45.5	45.5	45.5	45.5	45.5	45.5	
≥ 14000 ≥ 12000		73. • €	4 7 3	47.4	47.4	45.0	46.1	41.01	46.1	46.1	4/ -1	46.1	45.1	, ,	46.1	45.1
		4 6	50.7	52.6	\$2.6	52.6	53.2	3.2	3.	3.2		53.2	7.2	77	3.4	5.3 . ;
≥ 10000 ≥ 9000		/4	5:07	2.5	52.9	52.9	57.6			53.5	53.6	53.6	_	53.2	3.6	53.5
≥ 8000		u ÿ • "	55.2		57.4		52.1	54.1	5- • 1	55.1	27 • 1	39.1	50.1		55.1	5 t • i
≥ 7000		49.7	55.9	57.7	50.4	15.1	50.7	56.7	58.7	57.07	54.7	58.7	53.7	55.7	5 n . 7	50.7
≥ 6000 ≥ 5000		43.7	55 - S	57.7	۲٦.) ۲۰. نو	F# . }	50.7 50.0	18.7	58.7	50.0	59.7	95.7 59.0	55.7 55.7	58.7 59.0	59.7	5.5.7
≥ 4500		• 3	55.5		5-7		50,4	F 7 . 4	67.4	59.4	59.4	59.4	59.4	1.7.4	57.4	17.4
≥ 4000		1.1	57.4	40.4	4 / . 7	19.7	60.3	51.02	60.7	ნ (. • 3	60.3	60.3	611 • 3	67.7	67.	60
≥ 3500		3.	60.0	61.9	52.3	. 2 . 3	62.7	62.9	67.0	62.9		67.0	5	42.0	62.9	5
≥ 3000		5.00	73.5	75.5	77.1		77.7	77.7	77.	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 2500 ≥ 2000		77.4	81.7	74.2 89.7	85 . 8	1.5	86.5	36.5	91.9	91.7	96.	21.7	94.4 91.4		66.5   71.9	95.0
	·	78.1	67.4		71.3	91.9	72.5		\$2.6		<del></del>	12.E	27.6	22.4		72.5
≥ 1800 ≥ 1500		19.1	87.4	1 7 7	93.3		44.5		4.5	24.5	64.5	94.5	44.5	-4.1		74.
≥ 1200		71.3	91.	93.9	05.5		96.5	26.5	96.F	04 ·	55.5	16.5	\$4.5	1 !	96.5	
≥ 1000		1.4	91.6	74.9	95.5	6.3	27.7	97.7	77.7	37.7	37.7	47.7	57.7	07.7	\$7.°	4 7 6 7
≥ 900 ≥ 800		1.6	91.5	1 ' '1	96 • 5 96 • 6	ି6 • ୩ 5 • ୮	97.7 98.4		97.7	97.7	97.7	77.7	37.7	97.7	97.7 98.4	97.7
		1.6	71.6		76.5		98.4	03.6	3 3 4	3		28.4			CQ.4	01
≥ 700 ≥ 600		1.0	91.9	25.5	97.4		99	49.0	20	37.	39	99.	70.0	75.	, 0 . 3	60
≥ 500		1.9	97.3	55.8	97.7	77.7	99.4	90.4	49.4	44.4	43.4	79.4	"G.7	00.7	20.7	97.7
≥ 400		1.	9.05	75.8	21.7	.7.7	70.4	49.4	99.4	79.4	97.4	99.4	20.7	19.7	99.7	
≥ 300		1.0	9	35.5	37.7	7,7	97.4	89.4	79.4	99.4	39.4	23.4	7.7		09.7	54.7
≥ 200		1.4	9.03	15.8			99.4	49.4	.6.8	99.4	97.4	99.4	7 7		49.7	94.7
≥ 100 ≥ 0		1.9	97.3	95.8 35.8	97.7	ि7•7 	43.4	79.4	30.4	99.7	99.7	49.7		1 "C • "	155.0 150.0	· 1

		•
TOTAL NUMBER	OF OBSERVATIONS	1

SHITTIN FIELD, FL

# **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 1%	<b>≥</b> 1	≥ %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING		.3.	21.4 51.	1.0	المأداد	2.6	29.7	74.7 58.6	28.7 52.0	26.7	21.7	28.7 12.6	25.7	1	29.7	7
≥ 18000 ≥ 16000			7. 3	11.5	52.0	7.9	52.9	12.9	52.7	44.4	52.9	52.9	5.7.9	12.00	52.0	
≥ 14000 ≥ 12000		а с 4 с	51.3	53.9	52.0	₹3.2  4.8	53.5	1, 3 <b>,</b> 2	54.7	53.2	54.8		. 7. 2	1301	5 4 . 3	54 a c
≥ 10000 ≥ 9000		1	5 7	6 0 0 3 6 0 0 3		*U . 5	61.7	61.7	61.0	61.07	5 . 7 51.9	95.7	υ1.9	±0.7	57.7	
≥ 8000 ≥ 7000			61	6 7 . 1		3 7	70.3	60.0 0.3	59.7	75.3	50.	59. 70.1	1.7.E	50.	59.	
≥ 6000 ≥ 5000		51.1	69.1	65.7	57.7	77.0	70.5	70.3	71.5	7 . 5		70.3	70.1		70.1	71.
≥ 4500 ≥ 4000		2.3	5 17	71.	77.7		71.3	77.03	73.5	71.2	12.5	71.3	71.5	71.3	72.4	7
≥ 3500 ≥ 3000		6.1	7:02	7.5	75.5 83.6	75.5	93.6	75.1 73.6	76.1	75.1 83.6	75.1	3.5	77.6	70.1		
≥ 2500 ≥ 2000	-	7 . 1	80.1 37.4	91.9	. •	0.3	71.0		71.1 94.5	91.5	51. 50,5	61. 94.5	0 1 . O	21.0	01.	91.
≥ 1800 ≥ 1500		70.01	3 . 4		93.5	3.9	94.5 95.4	74.5 5.8	90.5 95.8	94.5	94.5 95.4	34,5	93.5	75.	98.3	Q', .
≥ 1200 ≥ 1000		7 4 7	90.7 92.5	5.2	96.5	95.2 96.5	95.8 97.4	75.8 77.4	95.4	95.8 97.4	97.4	95.8 97.4		95.5	98.6	97.4
≥ 900 ≥ 800		1.1	92.4	₹4.3 25.2		36.8 ≤7.1	97.4	3	97.4	97.4	97.4 97.1	97.4		27.4		कुर्कुट वर्द्
≥ 700 ≥ 600		1.1	92. K	55.2	90.5	97.1 97.1	77.7	3	77.7	97.7		72.1	98.1 98.4	98.4	38.4	•
≥ 500 ≥ 400		1.	92.9	05.5 63.5	77.1	·7 • •	93.1	34.1 48.1	v: 01	97.4 97.4	3 . 7		30°G		)9.0 )9.0	39.
≥ 300 ≥ 200		1.0	92.0	25.5	7 1		99.4	94.1 33.4	94.4 34.4		29.4	99.4	00.4 69.7			29 99 . 7
≥ 100 ≥ 0			92.4	75.8				05.4	91.4 98.4		99.4	-		99.7	107.0	

TOTAL	NUMBER	OF	OBSERVATIONS	1	:

## **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)		VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 11/4	≥ 1%	≥ 1	≥ ¾	≥ %	≥ %	≥ 5/16	≥ 4	≥ 0
NO CEILING ≥ 20000		70.4	ر د از	71.	(1.	11.9	31.6 51.7	71.6	31.4	31.4	51.3	31.6	71.6			31.0 51.
≥ 18000 ≥ 16000		7	5 ? . 4 5 ? . 4	# 2.€0 61.€0	61.	11.7	61.0 51.0	41.9	£1.0	51.5	51.7	51.9	61.9	41.7		51.7
≥ 14000 ≥ 12000		2 • 4	37.4	61.7	63.2	14.2	61.9 64.2	51.5	61.0	64.2	61.0	61.9	51.7	51.7 54.2	01.4	51.7
≥ 10000 ≥ 9000		1.7	54.7 70.	72.9	74.5	75.9	75.8	71 . E 76 . 5	75.5	75 . s	75.4	75.6 75.5	75.4		75.5	7
≥ 8000 ≥ 7000		5.7	77.7	79.7 82.3	81.7 14.1	-3 • 2 5 • 8	53.2 05.8	75.8	83.2 85.9	+3.7 45.8	57.2 85.3	83.2 85.4	2 ₹• ₹ 5 ₹• \$	63.2 69.8	υ3•2 95•9	34.1
≥ 6000 ≥ 5000		3 4	79.1 75.4	87.0	7. La - 3	5.1	50.1	16.1	"5 . l	96 • 1 65 • 5	86.1	P6.1	86.1 88.4	46.1	86.1 36.5	35.5 5.6
≥ 4500 ≥ 4000		• 7	75.4		\$ 5 . Z	5.5 °7.7	37.7	12.5 57.7	55.5 87.7	M6.5	1	36.5 \$7.7	25.5	95.5 27.7	86.5 87.7	25.0°
≥ 3500 ≥ 3000		1.1	80.3 32.6		97.1	1 . 3		1.3	01.3	78.4		99.4	F 1.6			* * • ? - • • • •
≥ 2500 ≥ 2000		77.0	34.2 96.5	54.5	97.3	76.5		3.6 36.5	73.6 96.5	73.6 76.0	97.1	93.9	47.1	93.4 57.1	97.1	94.2
≥ 1800 ≥ 1500		7 T • 3	83.5 46.5	61.6 63.6	95.3 96.1	16.3		96.8 97.7	95.7	75.5	96.1	97.1	2 1.1 5 7.1	9/.1	97.1	۶ ۲ . ها په
≥ 1200 ≥ 1000		74.2	87.1	91.2	96.1	77.7	Ç y . W	<u> 58.₩</u>	97.7 74.4	97.7	99.1	98.1	95.7	98.7	54.1 24.7	
≥ 900 ≥ 800		74	37.1 67.1	93.2 91.2	96.8	73.4	98.4	98.4 26.4	93.4 94.4	95.4	99.7	98.7	98.7	98.7 99.0	98.7	7°.
≥ 700 ≥ 600		4.2	37.1	95.2	96.7	79.4	94.4	94.4 96.4	4 % a 44 4 % a 48	93.4	98.7 98.7	98.7		30.7	30.7	99.4
≥ 500 ≥ 400		74.3	37.1		96.9	18.4	93.4	05.4 08.4	34 ° #	99.7 98.7	74.	95.1	00 € 00 €	14.4	-0 . u	٠٠.٦ <u>١٩٠٦</u>
≥ 300 ≥ 200		74.2	87.1	93.0	96.3	ÿ <b>8.4</b> ○B.4	99.4	29.4	95.4	98.7	99.0	39.0	7 . 4	37.4	99.4	00.7
≥ 100 ≥ 0	,	4	97.1 67.1	93.2	30.2	78.4	1 1	7 H = M	98.4	98.7	90.	39.			\$9.4 \$9.7	-

TOTAL MIMBER	OR ORSESVATIONS	

STATION FIELD. FL

## **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	> 5%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ ¾	≥ %	≥ %	≥ 5/16	≥ 1.	≥ 0
NO CEILING ≥ 20000		44.1 50.	57.5 54.5	7:0	50.3	79.C	50.4 74.4	7.7	7 . 7	5 (*) 75 • 0	€ • J	30.0 10.0		7 - 4	75.7	
≥ 18000 ≥ 16000		5.	51.3	72.9	77.4	77.4	74.0	73.7	73.7	70.	77.7	7 .	7	75.4	70.7	7.
≥ 14000 ≥ 12000	<u>-</u>	• 1	57.1	75.6 73.6	77.7	77.7	7:.7	77.0	79.8	7 % . u 7 % . 1	70.4	77.4		79.7	E	•
≥ 10000 ≥ 9000		. 1	72.5	7	45.0	. 1	54,5 65,7	5	13.	15.5 15.5	45.0	: 3 + 5 0 = 5	• 5	5.1	87.01	
≥ 8000 ≥ 7000		3.	7:.3	92.66 6.69	51.4		84.7	- '	11.	87.4 71.5		31.5	7.4	34.7	42.1	
≥ 6000 ≥ 5000		13.	77.7	-4.4	87.4 35.7	- )	91.3	1.3	1.4	11.6	\$1.5 \$1.9	1.5	1.6	12.05	77.¥	
≥ 4500 ≥ 4000			77.7	54 • A	30.3		91.5	1.0	3 . 5	10.00	₹ 3 - 3	71.7 72.5	11.5	•	2.0	
≥ 3500 ≥ 3000		<b>4.</b> € 5.7	7 . 7	15.1	91.C	11.5	93.6		47.4 4.1.4	93.8 93.5	3 ( 4 ) 5 4 , 5 (	7 i • a	? <b>? •</b> 8	7.4 a f	74.7 55.2	•
≥ 2500 ≥ 2000		• °	A". 7	કહે. <b>હ</b> દેવ <b>ે</b>	34 . ? 34 . ~	14 . 2 74 . 6	55.5 96.5	6 • 1 6 • 4	40.0	75.4 77.4	26 ± 27 € 4	76 • 3 97•4	92.9 5.3.4	·7•1	77.4 28.1	, ,
≥ 1800 ≥ 1500		5. c.1	31.3		94.9 95.0	15 • □	94.5	7.7	91.0	72.4	97.4	. 4		· 7 . 7	6	•
≥ 1200 ≥ 1000		5 • i	91.5	51.7 71.6	95.4		97.4	97.1	77.7	7: • 7	42.00  7.07	22.3	5 - 4 4 7	7	< 0 . n	50. 57.41
≥ 900 ≥ 800		6.1	51.5	71.3	96 • 1	* (. a )	/101		53.4	33.5	98.7	\$ A & V		;9. ;5.4		
≥ 700 ≥ 600		i	31.3	1.3	36 . L	5.5	58.1		y 4		90.	59. I	67.	49.4	40.7	70. 70.
≥ 500 ≥ 400		6.1	31.3	11.3	36.1	6.5	9 1	1 1 . 4	/ A . 4	99.5	19.7	99.0	43.7			
≥ 300 ≥ 200		00.1	31.5	1	26.5	76 . h	3 a • 1	35.7	30 . u 13 . 7	79.4	1	70.4			47.7 1 C.3	11:
≥ 100 ≥ 0		-6.1	81.00	91.5	28.5 26.5	ે6 • ગ ~5 • થ	7€.4 28.4	53.7	43.7	30.4	24.4	19.4		50.7 50.7	100.0	

		٠,	
TOTAL NUMBER OF	OBSERVATIONS	- 1	



# **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
(PEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/5	≥ 2	≥ 114	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ 1.	≥ 0
NO CEILING ≥ 20000	-	-4.	35.5 5)		, 1 . ·	5 ? 5 :	67	•	• t				• 3			
≥ 18000 ≥ 16000	<del></del>	4.	5/.3	· . 7	50 . N		50.1	. 7		• 07 • • 7 • 7	3	1 3				
≥ 14000 ≥ 12000		. 4	\$ 4 . 5 5 * 4	4, 2	47.	7.	( )		7	• •				• — — •	7. K	
≥ 10000 ≥ 9000			HC.€	5 2	73.7		75.7	7	76 4		// · ·	*, *		•		•
≥ 8000 ≥ 7000		J.	55.5 57.6	74.7				1.1	1 • 1		1.	1.1.7	• •	1		
≥ 6000 ≥ 5000		3 .	57.7 67.0		7				, N	12.7	( , 4	14		• • • • •		
≥ 4500 ≥ 4000		4.1	5 • 1	7 3	•	1.4	·	7			4.		, <del>-</del>	3.5		
≥ 3500 ≥ 3000		7.	<del></del>	77.	31.5 35.8	.2.1	7.	-11.5		• 1	•	3	• 1	•		•
≥ 2500 ≥ 2000		1.0	77.1	3.4					41.00 100.00	7/ <b>0.</b>		- ( . ( )	: .			•
≥ 1800 ≥ 1500			77.3	11.€		1.1	3.7.		11.	74.	7	• 1	3 .		70.5	•
≥ 1200 ≥ 1000		3.	7 .	<del></del>	92.4	4.1	3,	/3 • 5 / • 7	3 = 1 = 7	7.	67.n	6.5	• • •	7.	- Ti , '	
≥ 900 ≥ 800	<del>-</del>	: : · :	7 7	1 3 <b></b> .	7 . 4	4 . 1	45.7	7.1	71.3	27.3	77.0	1		**************************************	- ⊡• , °	
≥ 700 ≥ 600		3.	7:07		3 .4	¥ . 1			7.7	9.	77.	25.7		**************************************	77 kg	• 1
≥ 500 ≥ 400			7	4:.7	74.	4.	94.7	7.	17.	3	2		•	•	- T = 1	•
≥ 300 ≥ 200			7 . 1	13.3	24 . 1 36 . 2	4 .	77.	7.7			-6	\$ y • 5	· = ; -	7.		
≥ 100 ≥ 0		5.		. 9		5. 5.		7.7	•	7 .7		7.	•		হিব ∵ুছ	

TOTAL	NUMBER	Ωŧ	ORSERVATIONS	

DIRNAVOCEANMET SMOS

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### **CEILING VERSUS VISIBILITY**

STATION NAME

YEARS

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T )

CEILING							VIS	IBILITY (SI	ATUTE MIL	E\$)						
(PEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 114	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING		-	5 " •	73.3	-	17.7	63.1	57.7	69.7	57.3	50.7	69.3	200	£0.	40.7	7.
≥ 20000			67.3	73.3		7/10 3	74.3	79.3	7 7	9 De 1		96.0	11.3	•	₹ .	
≥ 18000 ≥ 16000		7	67.3	73.3	7: .	75 - 3 79 - 3	79.7	79.3		# , • w	• · ·	40.4 44.42	• *	13.4	£0.8 (0.8	· · · · ·
≥ 14000 ≥ 12000			67.7	73.7	90.5	74.7 7.07	77.7 81.7	79.7	74.7	U •3 42•\$	3 . 3	2 · 3	, ,	37.7		51.
≥ 10000 ≥ 9000		. 7	77.	7 . 7	97.7	4.		5.3	25.3 25.3	6.7	34.3	50.5	A . 3		F4. 1	
≥ \$000		. 7. 7	74.7	21.7	35.7	17.	30.	1.8.2	14 A 🐧	87.	20.7	67.	<u> </u>	23.3	88.3	3.
≥ 7000 ≥ 6000		43.7	74.7	52.5	67.7	7 . 7	25.7 89.3	H7.5	3 7 6	7 · · · · · · · · · · · · · · · · · · ·	85.7 07	70.0	74.3	20.5	ॐै∙ः २ <b>८.</b> ३	c - 7
≥ 5000		:1.7	75.7	:3.3	. 3	7	47.7	9 . • 7	y 7, 7	7 . 7	7 . 7	4 7	91.0	1.1	91.3	21.3
≥ 4500 ≥ 4000		1.7	7 . 3	33.€7 24.€3	36.7	50.7	93.0 70.3	77.7	, ,	11.5	91.3	91.3	01.3	71.7	71.7	
≥ 3500 > 3000		1.7	70.7	اما ما	80. 89.3	99.5		1.	11.7	1.2	91.7	51.5 51.7	71.7	72.0	91.7	€ : • 3
≥ 2500 ≥ 2000		2.7	77.7	55.0 25.3	9.4	7.5	91.3	1.7	71.7	· 5 • 5	92.3	72.3	97.7	72.7	23.3	र र १ र ।
≥ 1800 ≥ 1500		3.3	77.	56.3	21.7	2	97.0 93.	2.3		5 4 . 3	च प्र∓ूत		2 3 3		69. T	₩,
≥ 1200		3.7	70.0 HO 0		97.5	2.7	93.7		J4 .	74.7	94.7	5 7	1.5. 7	55.	31.0	- GT - 1
≥ 1000 ≥ 900 ≥ 800		4.		10.3	6,0	3.7	34.7			33.7	95.7	\$ 5.7 3 6.4 2	78.3	76.	95.3	77.
≥ 700 ≥ 600		5.5	31.0	25.3	76.	25.0	96.0	25.7	25 Y	26.5	94. Y	75.3	94.47	46.7	95.7	57.1
≥ 500 ≥ 400		5.1	51.	5 7 . 7	95.3	5.7	76.3	77.3		97.7	97.7 66.7	97.7 94.7	90.7	78 · 1	78.1	97.
≥ 300 ≥ 200		5.0	31.3	80.7	95.7	16.0	97.	~7.7	27.7	90.3	97.	40.	77.3		1.0 . T	99.7
≥ 100 ≥ 0		5.1	21.5	3.7	95.7	16.7	97.0	77.5 48.6		78.7 98.7	99.3	99.3	77.7	99.7	00.7	-

OTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SM

1. 1

SMOS

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### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000		30 . 7 7 7 . 7	3 °	56.3 64.3	67.7 7.7	17.7	77.3	56.3	73.	75.7		67.7	6.5°0 75°0		76.3	74.7
≥ 18000 ≥ 16000		•	<b>'</b>	47.3	7 .7	7~ 7	72.5	73.0	73.7	75.7	75.7	75.7	7507	75.7	76.3	7 5
≥ 14000		10.7	55.0 57.	<u>66.3</u> ∋7.3		70.7	77.3	73.0	73.0	75.7	75.7 75.7	75.7	75.	76.0	76.3	71.3
≥ 12000 ≥ 10000		• • •	5 · • 7	7 . 6	72.3	76.	74.3	75.3	75.5	41.	77.7 21.0	77.7	1.3	75.0	70.7	91.7
≥ 9000		42.1	6 2 . 7	75.0	75.7	76.0	77.7 62.7	74.3	73.7 53.3	81.	61.0 66.0	36.	55.3	26.3	86.7	81.7
≥ 7000 ≥ 6000		45.7	63.0	75.3	3 . 7	1.	67.7	43.3	03.3 23.3	6.0	86.0 86.0	56.0	56.3	1 7 7 7 7	56.7	5 - 7
≥ 5000		45.0	67. V	75.3	81.5	1.3	5.3	93.7	33.7	35.3	86.3 RE.7	86.3	95.7	16.7	67.5	: 7.
≥ 4500 ≥ 4000		46 a 3	64.5	75.5	# f • 1	2.3	c 4 o ii	74.7	4 . ?	37.3	67.3	27.3	i. 7 . 7	-7.7	35.0	*
≥ 3500 ≥ 3000		4 . 7	50.3	74.5	82. 82.7	7.	54.7	4.7 n5.3	84.7 55.8	87.3 26.	67.3	87.3	67.3	\$7.7 36.3	63.0 98.7	09.
≥ 2500 ≥ 2000		2	35.00 65.00	77.3	83.0 54.3	3	65.0 86.3	25.7 27.0	83.7 67.3	18.3	80.7	5 5 3 8 9 . 7	5 A . 7	88.7	89.	100
≥ 1800 ≥ 1500		46.	67.	74.3	84.7	:5	36.7	47.3	67.5	7	91.7	91.7		92.3	99.7	97.3
≥ 1200 > 1000		44.5	67.7	31.3	36 . 3	. 0 . 7	89.3 90.5	19.7	89.7	92.3		93.7	52.7	2.1	94.7	93.
≥ 900 ≥ 800		43.7	6 :	51.7	88.7	63.3	77.7		111.	94.7	34.0	94.0		94.3	04.7 35.3	7
≥ 700 ≥ 600		7.0	6 1 . 3	2.3	30.7	19.3	91.3	2.3	92.8	24.7		95.0	25.3	95.3	96.7	95.1
≥ 500 ≥ 400		2	7	22.7	35.7	3.7	97.5		34.3	95.7	56.3	96.3	55.7 67.7	27.3	97.7	7.
≥ 300 ≥ 200	· <del>-</del>		77.7	25.4	90.3	9.7	93.	34.0	94.7	25.7	97.3	97.3	77.7	· .	94. 98.7	, A
≥ i00 ≥ 0		3	7	95.3	9 . 7	1.	93.7	4.7	54.7	97.3	95.N	98.0	73.3	79.3	69.	59.0 100.0

TOTAL NI	UMBER OF	OBSERVATIONS	

### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	iBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/4	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ ¥	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000		•	34.7	4 7 . 7	44.7	46.7	1 - 1	1 1	51.5 63.5	52.7	53.3	53.3	रहे. र ११.७	54.3 63.7	54.3 53.7	6 9 9
≥ 18000 ≥ 16000		* • 1	34.7	47.7	52.3	5.3	57.7	67.0 57.0	69.7 69.8	62.0 62.0	62.7	52.7	63.7	63.7	1. ? • 7 6 5 • 7	1:
≥ 14000 ≥ 12000			3 - 7	43.7	52.5 54.3	3.3	57.7	• 0	37.7	4 2 . J	62.7	65.5	63.7 65.3	63.7	65.3	67.7
≥ 10000 ≥ 9000		7	30. 31.0	4 3	50.7	03.3 03.3	64.	53.3 58.7	2	7 . 7	7:07	71.3	77.7	72.1	72.7	774.
≥ 8000 ≥ 7000		2.1.7	44.7	54.7 55.4	65.3 66.7	77.	72.6	74.3	74.3	76.3 77.7	77.3	77.3	78.7 30.0	78.7 :0.0	76.7	4 .5 6 ] . 3
≥ 6000 ≥ 5000		10.7	4 2 6 7	56.3 56.3	67.	70.7	73.7	76.	75.	7.3	79.3	79.0		10.3	0.00	21.7
≥ 4500 ≥ 4000		73.7	41.7	57.	67.7	70.7	73.7	76.0 76.7	78.07	75.7	77.1	79.7	61.0	*1.3	~1.	· ) • 7
≥ 3500 ≥ 3000		2.1	45.7	6.6	51.7	72.3	74.7	76.7	74.7 77.7	79.7		37.7	97.5	31.5	21.8 50.0	7.
≥ 2500 ≥ 2000		77.	47.7	59.7 59.0	55.7 7€.0	73.3	76.3 76.7	78.7	7	41. 31.3	37.3	32.3	3.3	3.3	53.7 63.7	5 4 5 5 5 6 7
≥ 1800 ≥ 1500		2.	47.7 44.2.	ol.	72.	73.7	76.7	77.	77.	13.7	2 · 3 · 3 · 5 · 4 · 7	34.7	00.0	83.7 86.0	33.7	53.2
≥ 1200 ≥ 1000		₹4 ?	٠ ن د	€ <b>1 • 3</b>	77.3	76.2	79.3	3.7	91.0°	75.7	55. 84.7	55.0 48.7	2.0	98.3	36.5 38.0	हर <b>,</b> 7
≥ 900 ≥ 800		44.	51.	43.3	73.7	73.7	21.7	34.3	् <b>४.४</b> ३ <b>४.</b> ४	. 6 . 7	67.7	67.7	60 °	18.3	89.3	97.5 97.1
≥ 700 ≥ 600		5.	51.7	/ 4 . () / 4 . ()	75.0	79.0	62. V	15.3	44	77.3	30.3	59.3	4.0	30.7	9 T . C	1.
≥ 500 ≥ 400		75. T	52. V	55.3	76.3	77.7 13.3	34.0	7 . 7 2 7 . 7	87.7	9.7	37.7 71.7	70.7	22.00 0.3.3	77.1	77.3	
≥ 300 ≥ 200		15.07	\$3.0 \$1.0	15.7	77.1	11.7	#5.7 a6.3	59.7	85.7 69.0		.40	93.3	4.7		94.7 96.	07.1
≥ 100 ≥ 0		(5.0)	53.0	65.7		1.	86.0 86.0	5 y • 13	83.0	93.3 93.0	34.3	34.3	76.3		,	98.7 180.0

### **CEILING VERSUS VISIBILITY**

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MIL	LES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 214	≥ 2	≥ 114	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000		6 3 € N	51.7	55.7	55.5 62.	6 • 5 53 • 7	50.3 63.7	54.3 53.7		16 . 3 3 3 . 7	54.3	56.2	(, , , , , , , , , , , , , , , , , , ,		_ 1 _ 1	50.1
≥ 18000 ≥ 16000		6.2.5	5 4 . C	40.3 60.3	62.5	43.7 43.7		53.7			57.7	03.7	47.7	+ 1 • 7 4 5 • 7	6 2 . 7 6 3 . 7	65.7
≥ 14000 ≥ 12000		-6.3	5 . 3	4 .7	67.	1.6.7	54.	64.0 56.7	89.7	, - 1	64.7		66.7	54.00 -4.7	66.7	60.07
≥ 10000 ≥ 9000		3.0	65.3	0.4.5		71.7	71.7	71.7	71.7	71.7		71.7	1.7	71.7	71.7	71.7
≥ 8000 ≥ 7000	i	57.	65.7		74.	73.7	76.3	74.0	70.0		75.0 77.7	75.7	7:03	76.2	75.7	7: ,
≥ 6000 ≥ 5000		7.7	71.0	74.7	75.7	78.3	76.7	79.7 79.7	70.7	7ë • ? 75 • 7	79.1	76.7	70.7	75.7	70.7	7. , 7
≥ 4500 ≥ 4000		57.7	71.	74.7	i _ i	78.	75.7	78.7	75.7	76.7 75.7	78.7		70.7	78.1	7:.7	7 . 7
≥ 3500 ≥ 3000			71.5	75.7		78.7	79.0	79.0	70.0	79.0 30.0	79.0 55.1	7740	7:00	70.1	70.	70.
≥ 2500 ≥ 2000			7:.5	77.5	, , , ,	1.3	51.7	31.7	61.7		51.7	+1.7	F1.7	51.7	61.7	C1.
≥ 1800 ≥ 1500		1.3	77.3	79.3		17.0	84.3	84.3	84.3			54.3	4.7	34.7	94.7 27.7	47,1
≥ 1200 ≥ 1000		66.7	9: . ?	84.7	97.5	41.3	89.7		89.7	89.7	36.7		85.7	72.0	30.7	81.7
≥ 900 ≥ 800		57.3	82.3	37.0	69.7	3.0			>2°.5°	92.5	62.3	92.5 =3.7	5 7 9 w . "	02.	97.7	
≥ 700 ≥ 600	- <del>-</del>	10.7	8 . 3	80.7	71.7 92.3	14.7	1	24.7	94.7	75.7	74.7			95 ·	95.5	· · ·
≥ 500 ≥ 400		57.3	85.3	91.0	74.3	3.7	97.7	97.7 38.7	27.7	97.7	97.7	_	\$2.7 \$1.7	78.7 38.7	98.4	\$ 1.5
≥ 300 ≥ 200		59.3	9°.3	12.0		7.0		75.3 99.7		73.3	79.3	40. S	49.7	08.7 100.0	98.7	28.7
≥ 100 ≥ 0	l	U 0 3	85.7	97.1 72.0		8.	97.3	29.7	99.7	99.7	29.7	19.7		-	100.0	

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

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#### **CEILING VERSUS VISIBILITY**

S FIELD. TL

≥ 10

≥ 6

≥ 5

≥ 3

47.7

10.7

5500

61.0

74 . 3

800.3

92.7

75.7

16 . [

26.

76.

27.3

28.

29.1

45.5

1.5.3

40.3 47.7

40.3

CEILING (FEET)

NO CEILING ≥ 20000

≥ 18000 ≥ 16000

≥ 14000 ≥ 12000

6000 5000

3500 3000

2500 2000

1800 1500

1200

900 800

700 600

100

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) ≥ 21/2 ≥ % ≥ 5/16 ≥ 1% ≥ 1% 47.7 47.7 47.7 47.7 47. 47.7 47.7 47.7 47.7 47.7 47.7 40.7 50.7 40.7 7,4 . 3 4.5 15.2 55.1 .0.4 50.8 60.7 61.3 -3.7 60.7 60.7 51.0 71. 51. 61. (1. 21.5 i 3 53.0 62.0 74.3 74.3 74 . 5 74.7 74.7 89. \* 7 . J 89.7 89.7 89.7 89.7 A0.3 £3. 2.7 22.7 74.7 05.7 25.7 \$5.0 36.7 56.7 6. 3 76.7 97.

TOTAL NUMBER OF OBSERVATIONS

99.7100.01100.0100.0100.0100.0100.

40.7

59.7 99.7 99.7

DIRNAVOCEANMET

91.1

91.

41.3

97.7

93.7

94.7

76.7

49.

79.

ુક .ં

95.3

34.7

27.0

94.7

### **CEILING VERSUS VISIBILITY**

AND PIECES

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# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VI	HBILITY (ST	ATUTE MI	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	1 ≤	≥ %	≥ %	≥ 1/2	≥ 5/16	≥ %	≥ 0
NO CEILING		70.0	4 .	٠ . 3	4	#7. Y	40.7	46.7	47.7	40.7	07.7	47.7	4.	4 7	4' .7	• •
≥ 20000		45.7	52.7	33.3		. 4 . 3	54.3	9.3	>40.	14.3	54.3	54.3	_4.3		54.3	-4.
≥ 18000		' 4°.	5.7.7	* 1.7	50.7	74.7	54.7	-9.7	54.7	1.4.7	54.7	54.7	14.7	54.7	54.7	-4.7
≥ 16000		1 . 3	3.7.7	53.7	54.7	C4 . 7	54.7	54.7	54.7	4.7	54.7	54.7	54.7	54.7	54.7	5 w . 7
≥ 14000		M 15 3	52.5	53.7	54.7	54.7		34.7	64.7	54.7	54.7	54.7	:4.7	54.7	54.7	F.4 . 7
≥ 12000		C . 7	360	57.0	5 7 . 17	<u>₹₽.</u>	34.7		1,80	55	53.0	55.0	. G.	53 o C		<u> </u>
≥ 10000		' " ·	61.0	62.7	63.0	43.0	į.	13.7	67.0	43.7	53.0	63.0			53.	62.
≥ 9000		4.3	61.0	<u>^~.u</u>	57.0	13.0	65.0	43.	• 3 •	43.	03.0	63.7	17.0		63.	6.
≥ 8000		7	5.01	66.7	- · · •	57.7	67.7	17.7	67.7	1	67.7		!	1		1 .
≥ 7000		1.	0 0	49.3		73.3	70.3	70.3	73.3	70.3	75.3	7 . 3	73		7 - 7	
≥ 6000		•	\$ 7.0	4.1	71.7	1.4	71.2	71.7	71.5	71.3	71.3	71.3		1	71.3	71.
≥ 5000		2.7	7.00	71.5		<u> </u>	77.8	20.5	77.3	72.5	77.3	72.3			72.5	+ = =
≥ 4500		3.1	7 . 3	71.7	77.7	72.7		72.7	7 . 7	7 % 0	73.0	73.0		73.0	73.0	) · · · • ·
≥ 4000		4 . 3	700	71.3	74.3	74.7	74. 7	74 . 3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 3500 > 3000		1 - 1 - 1	72.7	74	75.0	75.	7 ^	74,00	75.	75.3	71.3	75.3	75.3	f	75.3	i
_ =		1.	79.0	AU.3	51.3	1.5	21.3	*1.3	71.7	11.7	21.7	F1.7	*1.7	61.7	81.7	27.
≥ 2500 ≥ 2000		7.7	83.7	55.3	: _ h	56.7		25.7	86.7			#7.0	67.C	97.	-	
		7.7	9.50	34.3	97.7	29.7	90.0		20.3	90.3	7 . 3		07.7	20.7	90.7	G' + 2
≥ 1800 ≥ 1500		١	39	5543	97.3	0.	20.3		_	• •				95.0		
		20.7	9 1 3	93.3	94.7	4 7	95.3	~ u . 3	45.3	95.7	\$5.7	94.7	96.0	<del></del>	<u> </u>	7
≥ 1200 ≥ 1000		1.7	51.3	° 4 ± 3	95.7	4.7	95.0	,	96.3	97.0	97.0	97.0			57.5	77.
		71.7	91.3	94.0	95.7	05.7	96.	26.3	50.3	97.	97.5	27.0	·			
≥ 900 ≥ 800		2.3	92.7	24.7	96.3	36.3	75.7	57.	97.	97.7	27.7	97.7	25.0	1		f '
	·	7	92.3	95.0	76.7	6.7		27.3	97.	90.	98	78.3			98.3	
≥ 700 ≥ 600			9.	จร์ ถ		6.7		77.3	97.	94.	78.0	93.3	55.3	1	98.3	1
		13.5	9 3 7	65.3	97.0	77.0	97.3		07.7		28.3	94.3			75.7	
≥ 500 ≥ 400			21.5	25.7		77.7	97.7	73.0			05.7	98.7	40		99.5	(
		- 3 - 0	9 1	36.0	42.0	`E . C		74.7	65.9	79.7	44.7	9.7			107.7	
≥ 300 ≥ 200		5	93.0	36.11	90.0	23.0	25.3	28.7	98.7	99.7	99.7	99.7	( ·	100.0		(
≥ 100		4	33.5	76.7	97.07	V\$ . 7	37.3	25.4	98.7	99.7	99.7	59.7		200.0		
2 100		3.	9 7.0	76.0	90.0	98.0	99.3	19.7	78.7	99.7	50.7	49.7	100.0	100.5	100.0	107.0

TOTAL	NUMBER	OF	OBSERVATIONS	

### **CEILING VERSUS VISIBILITY**

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING				-			VIS	HBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 214	≥ 2	≥ 136	≥ 1%	≥ 1	≥ ¥	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000		15	5 . 3	47.3	63.7	40.0	45.0 64.0	45.0 44.0	60.7 64.7	64.0	46.0 64.0	46.7	50.00 50.00		54.	9 13 a
≥ 18000 ≥ 16000		5.3	5 . 7	52.7	64 a	54.0	54.3	54.3	64.3	64.3	64. 4	64.3	54.5	64.3	64.3	-
≥ 14000 ≥ 12000		5.	5 .	44.7	54.7	70.3	65.0 70.7	70.7	55.7 70.7	65.0	77.7	65.7 71.7	5 en	1	70.7	
≥ 10000 ≥ 9000		7.4.7 7.4.7	70.0		75.5	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7		75.7
≥ 8000 ≥ 7000		71.7	76.0	63.7	85.7	13.3	36.3	86.3	3.9	33.7	56.3	83.7	3 . 3	83.7	87.7	20 € 7 E = •
≥ 6000 ≥ 5000		72.3	70.5	24 . 3	50.0	96.3	87.0	₹6.7 47.5	80.7 87.0	26.7	86.7 87.0	85.7 67.0	27.0	57.	£ € . 7	7,
≥ 4500 ≥ 4000		75.	3 . 7	4.7	37.	77.7	88.	7 P . C	89.	18.0	38.5	39.	20.5 81.0		68.0	
≥ 3500 ≥ 3000		13.3	30.7	25.7	99.7	36.	30.3	95.3	30.9 21.0	71.	71.	85.3 91.7	91.3	91.0	89.7	A
≥ 2500 ≥ 2000		7 4 6 7	82.3 63.0	# 8 • € 5 7 • 7)	91.7	2.3	92.3	€2.7 >3.3	52.3	93.3	97.5	92.3	57.7 57.8	22.3	97.1 93.3	93.5
≥ 1800 ≥ 1500		77.5	37.0	99.5	01.7 C4.3	2. Y	27.3	3.3 3.6	33.8	75.5	93.3	93.3	24.3	1	93.1	V2.3
≥ 1200 ≥ 1000		7. 3	85.5	93.3 93.0	95.7	6.3	47.7	27.0	97.0	77.U	97.7	97.7			99.2 98.5	
≥ 900 ≥ 800		79.7	87.7	93.3	96.	7.	98.5	34.0 58.3	98.7 98.2	73.3	96.	98.3	95.5 98.5		98.7	
≥ 700 ≥ 600		77.0	87.7 87.7	93.7 95.7	76.7	7.5	96.7	14.7	93.3 93.7	95.7	90.3	98.7	92.5	58.7	98.7 90.	99.7
≥ 500 ≥ 400		79.5	87.1	95.7	96.7	98.	79.5	FR.7	95.7 90.8	98.7	47.3	98.7	; 7.3	78.7	99. 99.7	99.
≥ 300 ≥ 200		77.3	85.	94.7	97.7	78.3	99.7	9.7	99.7	33.7 34.7	79.7	99.7	97.7		199.0	170.0 100.0
≥ 100 ≥ 0		79.3	88.0 85.0	54.7 54.7	97.7	78.3	99.7	79.7	99.7	79.7	79.7	99.7	99.7	1 '	100.0	

				,		١.
OTAL	NUMBER	OF	OBSERVATIONS		٠.	

#### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) CEILING (FEET) ≥ 5 ≥ 1% | ≥ 1% 7 5.7 75.3 75.7 75.7 75. ≥ 16000 74.7 75.3 75.3 75. 75.7 77. 1 77.3 77.3 77.3 32.5 62.3 1 . 3 42.3 39.7 30.7 39.14 ≥ 8000 ≥ 7000 90.3 45.0 ≥ 6000 ≥ 5000 10.3 90.7 31.3 -3-3 53.7 95.7 ¥3.7 2500 94 , 🖰 54.7 74.7 95. 95.0 \$5. 74.7 05.7 95.7 06.0 45.7 95.3 ≥ 1200 ≥ 1000 26.3 77.5 77.3 77.7 93.7 46 . J 97.3 97.7 .7.7 85.7 \$7.3 74.7 85.11 97.0 97.6 98.0 54.0 75.7 96.3 98.3 98.3 79.7 98.7 99.1 80.5 75.3 40.3 99.3 90.5 84. 56. 500 400 99.3 99.3 99.7 95.7 99.7 33.0 30.7 79.7 79.7 85. 99.0 96.3 99. 78 . 3 40.3 00.7 49.J 99.3 \$7.7 94.7 59.7 99.7 36. 99.1 100 94.1 99. . 7 . 3 79.7 69.7 99.7 99.7 19.7 99.7 Lin.

TOTAL NUMBER OF OBSERVATIONS

### **CEILING VERSUS VISIBILITY**

STATION NAME

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MIL	.ES)						
(PEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 214	≥ 2	≥ 1%	≥ 114	<b>≥</b> 1	≥ ₩	≥ %	2 %	≥ 5/16	≥ ′₀	≥ 0
NO CEILING		28.0	4 7 4 7	47.3		2.5	53.2	13.5	43.5	54.1	34.7	24.5	34.5		54.4	54.5
≥ 20000		47.0	55.0	5 ) . 7	63.0	+3.5	64.3	1.4	54 et	65.3	65.4	65.4				
≥ 18000 ≥ 16000		47.	55.1	59.8	• 1	53.6	64.4	64.8	64.2	65 . 5 6 . 5	65.5	65.5	65.8 65.8		58.8 65.8	64.1 55.
≥ 14000 ≥ 12000		- 1	57.4	57.6		63.3	67.4	67.8	67.4	65.5	6 - 5	50.0	6	6.0	6.4	6.0
≥ 10000 ≥ 9000		1.	61.7	66.8		71.1	71.9	72.3	72.5	73.3	73.2	73.2	77.4	73.4	73.4	71.6
≥ 8000 ≥ 7000		56.1	65.6	73.6		76.2	77.1	77.5	70.	79.2	74.3	74.3	7 . 6	7 4 6 6	77.5°	7
≥ 6000 ≥ 5000		56.5	67.7	73.6	77.4	78.2	79.1	77.5	79.5	F 3	97.4	5 7	£1.0	A7.6	हिंचे. • 1 • 1	` 5 " . 5 - 1 . 5
≥ 4500 ≥ 4000		7.5	67.3	74.2	75.0	78.5	79.7	40.1	F7.1	: 1.5		41.9	11.3	11.2	2.	- 1 = 1 - 2 = 4
≥ 3500 ≥ 3000		7.	60.2 71.3	<b>-</b> .		ंति हैं इंडे - अ	*1.1 53.5	24.5	91.5	32.3	F 2.5	42.5	47.7 -5.8		# 2 . F	: <del>5</del> 3 7 1
≥ 2500 ≥ 2000		3.3	75.5		84.3	7.5	\$6.0 88.5	90.5	£5.5 88.7	94.6	87.5	57.5 59.7	27.7	57.7	हि <b>प</b> •व' २०•०	
≥ 1800 ≥ 1500		3.4	75.4	92.3	1	17.4	88.4 90.3	91.3	99.9	80.7 92.1	80.8	49.3	52.5		वत्.। ४३.6	ক:•∃ 43•এ
≥ 1200 ≥ 1000		:5.7 ∂6.4	74.3	85.4 56.5		00.5 41.6			77.5 43.5	24.4	94.5	94.5		\$ 7 . 5 94 . 9	73.A	53.5 37
≥ 900 ≥ 800		56.5				₹2.0	93.9	74.4	94.4	25.3	95.5	94.8 95.5				95.4 55.1
≥ 700 ≥ 600		67.0 67.3	្សព•1 83•4	57.5 77.8	- 1	73.0 73.3	94.7	24.8	94.2	76.2	95.9	95.9	94.2		96.3 76.5	90.0 97.
≥ 500 ≥ 400		67.5	51.0	28.5		73.6	45.4	76.7 96.5	96.5	97.5	97.8	97.2	95.2		97.6	
≥ 300 ≥ 200		67.5	\$1.2 81.1	8 . S		74.7	96.5	97.2	46.7	98.4	98.3	38.7	99.[	28.7	98.4 99.2	99.4
≥ 100 ≥ 0	· · · · · · · · · · · · · · · · · · ·	57.5 67.5	51.1 31.1	89.0		\$4.5 \$4.8	96.5	97.3	97.3	98.4	98.5	28.8	99.7		90.4	99.7 100.0

				<b>ን</b> ኳ (15)
LATOI	MUMBER	04	OBSERVATIONS	

### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO CEILING	CEILING							VIS	BILITY (ST	ATUTE MIL	ES)						
2   2000		≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 14	≥ 1	≥ %	≥ %	≥ ⅓	≥ 5/16	≥ %	≥ 0
≥ 18000         • 1 1 7 4 6 7 7 4 7 7 4 7 6 7 7 6 7 7 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 7 8 7 7 7 7 8 7 7 7 7 8 7 7 7 7 8 7 7 7 7 8 7 7 7 7 8 7 7 7 7 8 7 7 7 7 8 7 7 7 7 8 7 7 7 8 7 7 7 7 8 7 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 8 7 7 8 7 7 7 8 7 7 7 8 7 7 8 7 7 8 7 7 8 7		• ]	4,4	1 1			- 1	,		-1		,					
2   16000	2 70000		-														87.3
≥ 14000		• 1	• •	- 1		• i	- 1					- 1				:	12.3
2   10000		• '		71.2	77,7	74 . 4		3 . 7	b. ~ . 7		3 1 . 7		1.3		11.0	32.3	° . ° • (·
2 5000	2 12000		<del></del>					1100									₹•.
2 8000		• •	1 . 1	•				7 1							32 6 6	33.00	26.1
2 7000	>		76.4														
2 5000		. 3		- 1			. 1										p ^
≥ 4000	≥ 6000	• 1	73.0	£ . 7	34.2	85.0	25.6	27.	1. 7 . 4	57.4	ំនំ«ម	59.7	8 . 7	K E	37.3	80.7	Ģ .
≥ 4000	≥ 5000	• 1	3.7	31.7	E 4	46 . 1	16.1	F7.7	47.7	77.7	85.7	74.2	2 7 . ()	30.4	65.4	98.0	• 3
≥ 4000       a 7 14 5 61 b 12 2 66 8 7 6 a 8 6 a 8 6 a 8 7 a 4 75 a 4 75 a 8 7 a 8 7 a 8 7 a 7 9 a 7 9 a 7 9 a 7 9 a 7 9 a 7 2	> 4500	• 7	4.7	41.		9130	6.5	30.1	79.1	5 : • 1	٠, د	80.4	27.4	62.7	59.7	37.0	٠.,١
2 3000		• 7	*4 . 5	1.1.6	.:.2	6 L P	- tr . F	52.4	5.4	1.5 a	A 7 . W	37.7	89.7	a' , :	50.3	7.1.7	41.
2 2500		. 7	.0 . 4	1	45.3	. ,		- 1	€3.7		F5.7	• (	- 1	*** • 3		·1.	1 . ?
2 1800	≥ 3000						7.7										71.9
≥ 1800		. 3		37.9	. 5		;	- 1		5 7 . 7	3 ,7	91.	01.	11.5	71.5	91.9	4 3
≥ 1500	≥ 2000	. 3		3.07	8 5		201		99.7	29.7		51.3	1.	<u> ∀1•3</u>		71.9	53.I
≥ 1200		• 1			1			- ·	64.7		90.7	• • • •		31.			97.3
≥ 1000	≥ 1500	. 1	75.0	87.2	F 4 . 8	87				99.7						4:00	•]
≥ 900	≥ 1200	• 3		_83 <b>.</b> 9		49.7		1	61.3			1	- 2 . 0	72.9	33.9	43.6	77.9
≥ 800	≥ 1000			84.5							¢ , 6	94.2	94.2	CHER	74.5	55.3	• .
≥ 700	≥ 900	• 1		1		(		92.8	45.0	9.7.0	73.5	34.3	40.2	94.5	94	9 . 2	9: • :
≥ 600	≥ 800	3							93.7								
≥ 500	≥ 700	• 1		85.7		91.5	,		2 . د ً	. • .	0.4 . 3	- "		<b>⊋4</b> . ₫	, , ,	95.5	पाई 🖟 🖰
≥ 400 0.7 17.4 AT. 0.7 0.2 0.1 0.7 0.1 0.7 0.2 0.7 0.3 0.7 0.3 0.7 0.4 0.5 0.2 0.5 0.5 0.5 0.6 1.5 0.3 0.6 0.5 0.7 0.8 0.7 0.8 0.7 0.8 0.7 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8															75.00		0.01
≥ 300		. 3			98.7	1		- 1		73.7	34.6	1	45.2	0.5		96.1	3 "
200 03 (7.7 86.1 2 0.) 23.00 3.0 00.5 26.5 76.5 26.4 2.4 2.4 2.4 2.7 48.7 /9.4 v	≥ 400	?															•
7 7 7 8 4 4 4 4 9 5 4 4 9 5 5 4 5 1 3 4 6 5 4 1 7 7 4 7 30 8 6						- 1				•				. * 1			
E 🗩 😘 T 이제 - Fe 전 중단하실 본 - 6대 본문하면 무료하여 무료하여 무료하게 모르는데 본문하게 본론하면 무료하는 모르는데 모르는데 모르는데 모르는데 모르는데 모르는데 모르는데 모르는	_= _~																V5 , 7
\$ 0 .3 7.7 30.1 70.0 97.4 3.6 96.5 76.5 56.5 50.1 20.4 20.4 50.4 20.7 20.7 20.4 1.	≥ 100 > 0	• 1	1 - 1														09.7

TOTAL NUMBER OF OSSERVATIONS

DIRNAVOCEANMET SMOS

S. F. F. L. . FL.

### **CEILING VERSUS VISIBILITY**

SPATE F FIFED, FL

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING		5.	06.6	63.	70.7	71.2	72.6		73.5	73.5	· · · · · · · · · · · · · · · · · · ·	74.3	7	1 .		7001
≥ 20000		14.7	7	72.3	74.7	74.3		76.5		77.4		79.7	79.7			•
≥ 18000 ≥ 16000		47.7	,	72.3		74.3 74.6	76.1 76.1	76.8	-	77.4	72.7 78.7	78.7 75.7	77.7		89•8 89•8	! -
≥ 14000 > (2000			77. R	72.6 73.6	74.5	75.2	76.5	77.1	77.1	77.7	75.	79.0 80.0	**."		50.3	41.
		1 3	73.5	76.1	7: 1	78.7	37.0	2 7	5	31.3	87.6	:2.6	5 7 A	<u> </u>	63.0	
≥ 10000 ≥ 9000		1.	75.3	6.1	7: 1	76.7	30.0	7.1.7	30.7	5 5		62.6	- Y. 6	,	, , ,	
≥ \$000		.2.3	75.7	77.7	77.7	70.4	31.6		* 1. *	3.2	£ 4 € €	_	۶. ۶	,	1,5.8	•
≥ 7000		42.9		74.1	⇒0•0	9.7	51.7	200	: ? • 6	33.6	24.3	34.9	1 4 7, 9			1 • 1
≥ 6000 ≥ 5000		3.2	70.5 75.8	75.1 75.4	ते ः 5 • र	3.7	32.3	2.6		5 5 6 6 1 7 6 7	95.7	4.3	75.8 15.1	35.9	96.1 45.5	1 • 2 ° 1 • 3 ° °
≥ 4500 ≥ 4000		23.2	71.01	79.7	81.5	2.3	83.6	0₹ <b>.</b> ? -4.2	4.7	94.8 95.4	25.5	05.5 26.5	7 . <b></b>	96.5	56.8 57.7	·
≥ 3500		4.5	77.4	2.0	71.7	-2.0	31.9	4.5	2 H	32.8	56.3	35.3	87.7	37.7	88.1	
≥ 3000		5.5	78.1	51.3	32.9 33.2	13.6	65.7	25.5 25.8	5.0	36.5	57.7 50.1	3 4 6	10.7	10.	ुक. हुव.्य	•
≥ 2500 ≥ 2000		.5.9	71.4	£1.6		4 . 2	30.5	.6.1	36.1	37.1	gr . 4	£3.4			29.7	44.
≥ 1800 ≥ 1500		55.5	73.4	61.6	83.6 84.2	4 2	35.5 36.1	35.8	50.1 80.0	97.1 97.7	57.	80.4 39.0	7.	13.0	87.7	5 - 7
≥ 1200 ≥ 1000		6.1	79.0 80.7	97.6	84.5	*7.1	85.4	7.1 89.5	3 . 1	95.1 95.1	90.4	39.4	7.7.3	72.3	77.0	•
≥ 900 ≥ 800	i	6.3	80.7 80.7	54.5	36.8	27.4	28.7	77.4	77.4	9 . 3	91.5 91.6	91.5	7.6	37.4		1
≥ 700 ≥ 600	<del></del>	6.6		94.5	36.8	17.4		89.4 43.7		3.03	*1.6	91.5	47.5	02.5		\$ . \$
≥ 500 ≥ 400		67.1	60.7	34.5	35.8	27.4 -8.7	87.2	99.7	A0.7	9:1.7	91.9	93.2	22.3	<u> </u>	24.5	94.
≥ 300 ≥ 200		67.1	81.0	-5.Z	08.4 ez.7	99.4	61.3	-1.3	93.2	92.5	94.2 95.8	95.5	44.5	25.2 26.5	75.5	34.
≥ 100 ≥ 0		67.4	1	45.5 65.5	80.7	69.7	62.0	43.6 53.6	93.6	94.5	56.1 96.1	26.1	17.4		37.7	9 3 . 3

DIRNAVOCEANMET SMOS

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### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 11/4	≥ 14	≥ 1	2 %	≥ %	≥ %	≥ 5/16	ž '.	≥ 0
NO CEILING ≥ 20000		11.	4 . 4		36.4	5.4	51.7	6C • 3				€ ₹"	23.2	440.	- 4	. 7
	<del></del>		5 3 a 3	53.7		12.0	65.5	67.4	4.7 a 4		<u> </u>	. 4	7	<u>t</u> 7	المنظم 7 - المنظم	<del>, •</del> -
≥ 18000 ≥ 16000		44.		54.7		Z. 1	55.8	1	67.4		1 1 1		7		£ 2 . 7	,
≥ 14000 ≥ 12000		4-4-	5	4.3.7 5.7.0	67.7	2.0	65.5	57.4 55.1		5-07	5,1 . i	7 . 4	7	57.1	£ 3 . 7	71.
≥ 10000		47.4		11.9	85.5	15.5	69.7	71.7	71.7	72.3		75.5	7	74 .	74.	- 1 - T
≥ 9000		47.7	57.1	52.3	65.3	65.5	70.0	71.6	71.01.	76	77.	77.03	74. 8	74 . 5	74.5	<u> </u>
≥ 8000 ≥ 7000		3.7	50.11 51.3	55.2 53.3	70.0	73.3	73.2	74.9	74.0		77.4	77.4	7 • 1	7 2 • 1	7 - 1	* * • •
≥ 6000 ≥ 5000		1.5	61.7	13.5	71.5	71.3	74.5	76.4	74 • 1 75 • 2	77.4	72.7	75.7	7	7 - 6	7	- :
≥ 4500 ≥ 4000		3.0	61.c		71.5	77.	75.5	77.1	77.1	7 .4	70.7 51.9	77.7	8 . 3	2 • t		1.
≥ 3500 ≥ 3000		3.0	64.7	27.4	74 . 6	75.6	75.4 73.0	00.7	63.7	31.3	5 7 . 2	32.5	7.7	7 7 6 7	3.2	_
≥ 2500 ≥ 2000		4.	55.2	7 . 3		76.9	* 7 • 7 HC • .		01.3		7 7 9	13.7	13 g 5	- 4 . 5 . 5 9 . 2	34.5	11. 11.
≥ 1800 ≥ 1500		4.	65.5	7 . 7	76.8	77.1	61.3	1.5	#1.9 92.0		5 m . S	15.5	5.7	45.7		- 1
≥ 1200 ≥ 1000		15.1	67.4		78.7	79.	32.3		45.0	35.5	·		53.1	7	1	The state of the s
≥ 900 ≥ 800		56.1	65.1	73.2	79.7	50.0 50.0	63.0 63.2	95.7		46.1		7.4	37.1	5 A . 1	38.4	Ē ;
≥ 700 ≥ 600		55.5 55.5	6 . 4		80.2	*0.3	83.6	75.5	#4.5 65.65	24.00	80.1	59.	97.7		89.7	91.
≥ 500 ≥ 400		5/ -5	67.7	74.2	91.3	*1.6	64.1	-7.1	37.4	30.	7:07	20.3	91.5	01.	21.°	3
≥ 300 ≥ 200		51 e.	69.5	74.5	31.9	· Z • 5	45.6	39.7	87.7	92.6	35.0	94.5	15.7		64.6	0 k
≥ 100 ≥ 0		56 e	67.0	74 . 2		2.6	35.0	19.0	93.1	73.6	45.5	5.5 5.5	24.1	36.1		7

TOTAL NUMBER	OF OBSERVATIONS	1

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

FIFE STATION NAME

### **CEILING VERSUS VISIBILITY**

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/4	≥ 2	≥ 1%	≥ 1%	≥ 1	2 %	≥ %	≥ 14	≥ 5/16	≥ ₁,	≥ 0
NO CEILING ≥ 20000			6 . 3		5 .9 5 .1		68.4	62.9 60.4	67.0 67.4	52.7 65.4	1		I	53.5 66.4		
≥ 18000 ≥ 16000		1.	5.0	57.7	5 . 2	10.4	1,9 a to	43.0	0.4	6504 1.90	. 3 . 4	4 - 4	• •	9, 8 a 4	157.04	
≥ 14000 ≥ 12000		2.1	6.0	5.01	50.	11.	6.5.4 71.	71.	57.4	60.4 71.	71.	7.		71.	71.	7
≥ 10000 ≥ 9000		4.7		76.3	77.0	74.0	73.5			73.0		75.5	73.6	74	76.2	**************************************
≥ 8000 ≥ 7000		1 57.1				*E.F		. 1	•	75.F	74.2	75.5	77.7	75.7	76.7	74,7
≥ 6000 ≥ 5000		**************************************	74.2	75.8		79.0	75.7	74.7	77.01	7.07	77.	77.7	7	13.°	73.	70.
≥ 4500 ≥ 4000		- 0 <b>.</b>	7/ - 1		7.00	70.7	12.7	3.4	77.7	90.7 80.7	30.7	10.7	77.7	70.7	75.7	* 75 . 7 3 . 7
≥ 3500 ≥ 3000			77.1		*1.	1.0	1.0	1.0	1.7	1.0		1.5	1.3	1.0	71.3 31.5	· • • • • • • • • • • • • • • • • • • •
≥ 2500 ≥ 2000			5 C	70.7	61.6 84.5	4.3	34.0	4.1	4.4.7	*	-4.3	31.0		34.5	7•₹ 8•¥5	
≥ 1800 ≥ 1500		1 2 4	!	73.3 84.2	94 • 5 95 • 5	4 . 15 6 . P	54.4 48.1	- A - B	34 0 2 34 0 1	5.4 a 5 pr	( <b>4 .</b> ° . A	- R + -	4.6	<u>। प्रकृति</u> १८००		•
≥ 1200 ≥ 1000		b . 1	Say A	.7.4	9 . 7	70.0	30.4 30.6	7.4		क <b>ं.</b> उ⊶्€	9.7	47.4 • 1			17.4 1970	
≥ 900 ≥ 800		7.1		37.4		U • 7	27.7	7	.( ,7	7.7	7.7		7	₹3. ₽ <b>3.</b> 7	• • • • • • • • • • • • • • • • • • •	
≥ 700 ≥ 600		7.4	9: 6	80.7		2.3	71.7 97.3	71.0	72.7	91.9	71.9	1.3	.1.0	61.9	91.5 52.6	
≥ 500 ≥ 400		7.7	1 - 1	24.7	97.6	3.2	63.8 93.6	24 . 2	93. 94.2	75.7	94.5 94.6	34.2	34	74 . S	5 · . 5	3 4 <b>.</b> .
≥ 300 ≥ 200		7.01	o '• 4 o '• 4	91.0		4.3	95.5	16.03	36.6 86.6	97.1 77.4		7	24.7	0 5 . 7	19.7	
≥ 100 ≥ 0		7:01		41°;	94.5 94.5	5.6	96.5	1	67.7	1	16 ° 0	•			ដែលក្∙ា រុំរៈ១•ា	p

TOTAL NUMBER OF OBSERVATIONS

### **CEILING VERSUS VISIBILITY**

	erts of Freign (e.g., company)	<i>4</i> • • · :	<u> </u>
STATION	STATION NAME	TEARS	HONTH
		SE FREQUENCY OF OCCURRENCE A HOURLY OBSERVATIONS)	NOURS (L S T

CEILING							VI	SIBILITY (ST	ATUTE MI	LES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21%	≥ 2	≥ 11%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ '.	≥ 0
NO CEILING ≥ 20000			, ,	5 · ·		,,,	50.	6_ 2 ; 0	3	6.0	# *• · · · · · · · · · · · · · · · · · ·			4.2.		•
≥ 18000 ≥ 16000				6 5 . a		10.7		, ,	6 1 6 C	f, 7 . 11		• •	7			·
≥ 14000 ≥ 12000			<del> </del>	71.	7:00	71.	79.3	71.9		7	71.	7.3	7, .	71.	7	
≥ 10000 ≥ 9000			7:00			73.5	73.9		7	73.5		73.3	17.	77.	7 = -	, <u>-</u> - ;=
≥ 8000 ≥ 7000		*	7	77.1		77.1	77.i	77.0	77.4	77.4	·	77.1	77.4	77.1	7.7	77.
≥ 6000 ≥ 5000			77.1	77.7	77.4	7.,	77.4	77.4	77.7	77.4	77.4	77.4	77.4	77.4	17.7	77.
≥ 4500 ≥ 4000		7.1		7.0	7 . 4	79.0	79.2	7 . 1	70.7	7:01	7 - 1	71	7 • 1	7	7 . 7	•
≥ 3500 ≥ 3000		1.	1 2 <b>1 •</b> 1	1.7	31.√ 34.€	1.5	7.7			`			. 7 . 3			
≥ 2500 ≥ 2000		3 • •	8	57.1	77.1	7.1		7.7	11.3	#7.7	7.7	87.7	7.7	1.	7.7	* ·
≥ 1800 ≥ 1500		7.	71.	77.00		1.2.6	91.4 91.8	51.9 7.4	1.7.	1.	71.v	13.7		31 e	1.	
≥ 1200 ≥ 1000		+ ,	3 . c	94.5	97.6 94.5	3 a 3	94.3	4.7	y 6 🐧	74.7	j.	99.4.2 91.4.3		(α . j. 4ε . j.	74.0 25.40	•
≥ 900 ≥ 800		5.1	9. 3	(4.5 (5.2		ंद्र 5	95.	\		45. 46.6	0	13.55 26.00		15. 16.	76.0	•
≥ 700 ≥ 600		8 <b>3 €</b> 3 € •	9 , 4	ं हैं • ≒ हें • हैं •	36.5 76.1	16 . S	97.4	.7.4				97.4 97.4	- u	27.4 27.4	97.4 77.4	/ '••
≥ 500 ≥ 400		, •	43.6	1 4 2 5 4 2	31, **	A	77.7 57.7		,7,7	37.7		33.7	7.7	77.7	97.7 99.7	
≥ 300 ≥ 200				-5.1 22.1		7.4	3:.7		5 .4 33.7	1	1 1	19.7	7	47.0	• 5	1 .
≥ 100 ≥ 0			3 . 3	26.1	27.4	7.4	96.7		54. <b>3</b>	30.7		100. 100.	1 ~ ~			1

TOTAL NUMBER OF ORSERVATIONS	•

DIRNAVOCEANMET SMOS

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a FIOLD, FL

### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 11/2	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000		4.7	71.7	64.8		72.3	64.3 70.7	77.3	72.3	72.3		12.3	72.3	77.4	72.5	•
≥ 18000 ≥ 16000		1.4	71.0	72.3		12.5		72.3	77.3	72.3	77.3	72.5	77.3	72.3	4	
≥ 14000 ≥ 12000		3.7	73.2	73.6	73.0	73.6		73.5	73.5	73.6	75.2	?100		73.6	78.6	7
≥ 10000 ≥ 9000		75.4	71.5	74.ft	70.0	79.4		73.4	79.4	74.4	77.1	79.3	79.4	79.4		7
≥ 8000 ≥ 7000		11.6	87.8	**. 9	13.3 84.5		- 1	4.5	33.7 34.5	35.3	₹3.2 34.5	3.2	43.7 24.5		34.5	
≥ 6000 ≥ 5000		3.7	94.5	94.2 84.2	84.5	45.3	54.5 25.2	74.5	84.5 ≥1.8	54.3 55.2	8 <b>4 .</b> 7 8 5 • ?	9.5	54.5 6.3			
≥ 4500 ≥ 4000		3.5	6 B	37.4	35.3		65.5 57.7	5.5	35.5 57.7		87.7	27.7	55.5 67.7	3.5	19.5 67.7	"अपु•ूर (सर•र
≥ 3500 ≥ 3000		€ • 5 € • 3	97.7	73.4 11.5	30.7		33.7	:0,7	29.7	°c.•7	98.7 91.5	99.7	96.7	98.7 11.6	98.7 91.5	हर <b>्</b> य ५१
≥ 2500 ≥ 2000		C • C • 3	31.5	2.9 23.2	93.6	3.5	93.6	3.5	93.8 34.8	3.4		74.2	14.7	93.6 94.2	72.6 30.0	
≥ 1800 ≥ 1500		1.0	9 ( )	73.6 93.9	94.9	9 <b>.</b> 3	3 to 4 to	94.5	34 € 5	34.5			94.5 94.5	94.5	94.5 74.5	34 .
≥ 1200 ≥ 1000		1.7	93.2	04.5	95.5 95.5	5,1 05,8	रहार १९०३	ाह <sub>ु</sub> हु 95 - 8	,,,,,	95 e :	05.5 \$5.3			.5.€ ?5.€	76.4 76.1	•
≥ 900 ≥ 800		1.4	93.5	65.2		-5.1 -5.8	96.3	25.3	76.1 75.8	96.5	95.1 95.8	ិង» ដ	,, a	55 • 1 76 • •	97.1	57.1
≥ 700 ≥ 600		1.9	27.9	75.0 95.8		`7.4 `7.4	y7.4	07.4 07.4	97.4 37.4	57.4		97.4	< 7 . N	77.4 97.4	27.7	c - ,
≥ 500 ≥ 400	· <del></del>	7.3	93.0	96.8		7.4	07.4 36.7	37.4 ~.7	4 7 . 4 7 5 . 7	3 7		y P . 7	7.7	77.4 75.7	29.	
≥ 300 ≥ 200		2.3 n2.3	94.	96.8 96.8	90.	9.4	99.4	-9.4 /9.4	59.4	70.7	39.7	33.7		99.7	100.0	100.
≥ 100 ≥ 0		7.8	34 . A	94.8	97.	7.4		77.4	99.4 97.4	99.7	39.7				100.0	

TOTAL NUMBER	OF	OBSERVATIONS	1

### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	SIBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ ¥	≥ %	≥ %	≥ 5/16	≥ ¼	. ≥ 0
NO CEILING ≥ 20000		77.4	6 · 7 · · ·	7	77.4	?0.3	70.3		77.7				-	7 .5		
≥ 18000 ≥ 16000		4 - 2	77.5	77.1	77.4	77.4		77.4			, 7.4			77.4		77.
≥ 14000 ≥ 12000		16.	71.5	77.1	70.4	76.4	72.4	7 3		3		7	71.4	73.4	76.4	75.
≥ 10000 ≥ 9000		7	81.1	37.5	37.9 33.6	2.5	37.0	37.7	50.5° 83.€	82 83.6	97.3 43.5	22.7	97.9 67.6	i		1 -
≥ 8000 ≥ 7000		3.7	45.5 85.5	15.1	87.1	8.4	97.1 99.4	7.1	5 7 . 1	87.1 33.4	97.1	37.1	· *•1	87.1 23.4	67. 88.	37.
≥ 6000 ≥ 5000		1 • 7	97.1 53.1	79.0 91.0	37.4	79.4	59,4 90,3	55	O 1 3			04.4	90.3			87.
≥ 4500 ≥ 4000		6.8		91.2	50.3 91.6	13.3	97.! 91	1	)	9 . 2	91.6		90.3 21.6	90.3	21.5	1
≥ 3500 ≥ 3000		5.1			97.0	·1.6	91.5	11.6 2.9	\$1.5 \$7.5		720°	91.5	57.5	1.6	11.6	· 1.
≥ 2500 ≥ 2000		5 • 7		_ 1	95.2	53.9 55.2	75.2	75.2	35.7	35.5	35.2	4502		> ×	93.9 32.2	, i .
≥ 1800 ≥ 1500		1.7.3	93.2	45.5	70.1	75.4 95.1	95.5 96.1	95.5 95.1	55.1	~0.0}	51.5	40.4	5.1	(6.)	98.9 25.1	
≥ 1200 ≥ 1000		11.7	93.6 94.2	ೆ ಬೃ 🤋	97.4				97.0		97.4	·	37.4	<u> 97.</u> 4	16.5 37.4	47.
≥ 900 ≥ 800	· · <del></del>	61.0 21.0	94.2 94.2	75.8	97.7	97.4		7.7	97.7	97.7			77.7	47.7	97.4	97.
≥ 700 ≥ 600		1.1	94.5	57.7	75.4	58.4	98.1		98.1		98.4	94.4	47.4	78.4	99.4	
≥ 500 ≥ 400		10.5	34.5	57.7	98.7	79.0		05.7 00.4	3 P . 7	30.4	99.7	79.7	30.7 30.7	49.7	64.7	94.
≥ 300 ≥ 200	· <del>-</del>	1.5	94.5	98.1	93.	79.6		49.7		99.7	187.0	193.0		1 00 × 0	157.0	17.0.
≥ 100 ≥ 0	!	100	34.0	3. v	- 1	9.4	99.7		- 1	9.7	1	1		Γ-	_	1

20241 MILMARA	OF ORTERVATIONS	

### **CEILING VERSUS VISIBILITY**

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING						*	VIS	IBILITY (ST.	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 11/2	≥ 114	≥ 1	≥ ¾	≥ %	2 %	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000		5 . 7 72 . ts	72.5	74 . 5 3. • C	51.7	75.	15.6	6.1	92.3	76.5	78.5	78.5 92.3	27.6	12.6	76.9	76.0 51.6
≥ 18000 ≥ 16000		77.4	7" . 1	8 .0 8 .0	51.3	1.3		1.9	42.3	77.3 32.3	37.3	12.3	37.6 ∴.6		2.6	₹3. 3~
≥ 14000 ≥ 12000		`3•3 '••¤	90.7	8 . 7 (7 . 3	81.0 53.6	31.0		22.6	54.5	9 2 . C	34.5	37.0	33.2 30.8	54.F	58.2°	54.5
≥ 10000 ≥ 9000		77.1	82.9	75.Z	36.5	6.5	25.8	7.1	5.7.4	57.4	77.4 57.4	87.4 87.4	37.7	57.7'	37.7	67.7
≥ 8000 ≥ 7000	· <del>- · - ·</del>	79.7	85.8	9 • 1 45 • 7	61.4 90.3	59.4 10.0		70.0	70.0	93.3 91.0	90.3	3 . 3 91.0	41.	91.3	71.7	9.7
≥ 6000 ≥ 5000		7	81.5	89.5	97.8	र <b>े.</b> र रे. रे. रे	20.7	91.0 91.0	91.3	11.3	91.3 91.3	01.3 71.3	91.6	91.6	91.6	71.5
≥ 4500 ≥ 4000		73.1 1.0	65.5 67.4	99.0	97.7	13.5 11.5	91.5	1.0	51.5 72.5	71.3 72.5	91.3	91.3	11.6	22.5	52.6	771.E
≥ 3500 ≥ 3000		1.0	37.4	97.•0	91.3	71.3	71.6	91.9	92.8 92.8	72.3 92.3	92.3 92.3	5 ₹ • 3 • 3 • 3	77.6	52.6 52.6	97.6	0
≥ 2500 ≥ 2000		1.6	80.1 83.7	91.6	31.5	53.2		7.9	34.2	92.9	94.2	92.9	24.5	94.2	94.5	73.7
≥ 1800 ≥ 1500		1.4	30.7	51.6 92.3	94.2	3.2	93.0	14.9	94.7 55.7	75.2	95.2	36.3	74.5	74 . E 75 . f	ंक्स, हैं चर्मा	54.5
≥ 1200 ≥ 1000			37.7	73.2	94.5	74.5 •5.E	94.6 95.0	75.2 76.1	45.5	95.5 36.5	45.5	36.5	75.6 76.8	95.	वड्ड ब ५६ - १	
≥ 900 ≥ 800		1.3	90.0 90.0	23.2	97 . 5 45 . 5	5.5	75.3 95.5	96 • 1	45.8	90.5 90.5	56.5 06.5	96.5	50.8 €5.8		76.A	90.0
≥ 700 ≥ 600		1.9	40.7	53.9 53.9	96.1	5.1	94.5	36 • 8 ○6 • 8	97.1	97.1	97.1 97.1	47.1	07.4		37.4	97.4
≥ 500 ≥ 400		11.9	21.	24 • 2	94.5	6.	90.5 97.4	27.7	97.1	97.1 98.4	94.4	97.1 96.4	\$7.4 \$8.7	70.7	57.4 98.7	47.4
≥ 300 ≥ 200		2003 200	91.6	74.3	76 . A	67.4	29.3	98.7	22.4	99.4	9 <b>9.4</b>	79.4	90.7	09.7	49.7	97.7
≥ 100 ≥ 0		12.6 12.6	91.6	94.5 94.3	97.4	57.4		49.0	40.4	99.7	99.7	99.7		100.0 100.0		

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET

### **CEILING VERSUS VISIBILITY**

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ 4	≥ 0
NO CEILING ≥ 20000	•	ü.5	54.5	54.3	67.5	67.6	65.5	60.5	69.6			69.7	57.2	-		49.5
		40	6 . A	71.7		73.2	73.9	74.2	74.2		74.3				75.7	
≥ 18000 ≥ 16000	•		60.9	71.00	73.1	73.7	73.9	74.2	74.3	74.5	- 1	74.8 71.0	75.1	75.1		1
≥ 14000 ≥ 12000	•	35 <b>, c</b>	70.0	7: +5	73.4	73.7	74.6	74.9	7 % n	75.2	75.8	75.5	75.R	75.00	75.9	75.
		-5-	7109	13.4	75 - 1	75.2	76.0	76.3	<u> </u>	76.6		75.3			77.3	77.5
≥ 10000 ≥ 9000		13.0	74.5	76.5	77.2	77.9	73.6	79.1	79.1	74.5	!	70.7	31 a O	50.3	: (° • 1	•
≥ 8000	. 0			79.5	81.0	1.1	71.9	27.2	82.3	54.7		4 T	1. 7. 3	- 3 - 3	F 3. 5	= 1.
≥ 7000		72.1	77.5	50.2	91.7	11.5	32.5	52.9	6 . 0	43.4	83.8	23.5	3400	340	34.2	C4 . 4
≥ 6000 ≥ 5000	• /\	72.3	7:02	#0.6 #1.0	2.1 2.2.5	2.3	53.1 83.5	43.4	23.0	5 3 a 5	84.7	14.6	4.5	*4.5	84.5	9
≥ 4500	•	72.9			P \	3.7	3.3 • £	4 . 1	24.7	34.6		34.9	25.2		.5.3	
≥ 4000	•	74.7	37.1	22.8	84.1	34,3	85.1	15.4	5.5	53.0	86.3	86.3	2:04	26.5	15.7	£ ,
≥ 3500 ≥ 3000	• ]	. Tr . c	88	83.2	34.8	5.	45.8	rn.1	8 . 2	A 16 6 17		86.7	97.2	47.2	,	
			81.7	04.3	86	36.1	27.	7.3	<u> </u>		<b>4€</b> 2	36.5			19.6	
≥ 2500 ≥ 2000	• 1	75 • 1	82.7	85.2	89.7	27 • 1	87.3	89.6	** * # # # # # # # # # # # # # # # # #	9		87.1	40.4	5C 7	97.3	55.7
≥ 1800	•	7 - 1	37.8	34.5	8- 4	. 4 . 5	80.5		A 5 . 2	9	91.6	9 .6	90.4	33.6	71.	C1.3
≥ 1500	•	77.5	84.6	47.4	83.0	29.6	40.4	3C • ∪	20.	51.2	41.6	71.0		71.0	3	5.00
≥ 1200 > 1000	• 1	78.3	85.2	68.0	90.7	20.2	01.1	71.4	\$1.4			92.2	25.6			
		74.7	86.1	09.1	91.3	91.5	32.3	2.07	93.7	9301		93.5	77.6			
≥ 900 ≥ 800	• 1	79.4	86.1	69.3	91.7	71.6 71.9	92.5	2.2	92.9 93.2		,	95.6			94.0	
> 700		79	86.6	89.7	97.2	-2.9	75.4	73.7				44.5		•		
≥ 700 ≥ 400		79.0	80.6	- 1	92.3	~2.6	43.6	24.7	74.7	74.4	78.9	04.9			75.3	<b>G C</b> •
≥ 500	• 3	17.1	86.9	90.0	92.6	22.9	03.9	94.4	24.4	94.9		45.4		1	95.8	94.
≥ 400		77.2	87.0	90.5		23.4	74.5	28.3	6:00		96.2	95.2	78.6		96.7	
≥ 300 ≥ 200	•	7 . 4	87.1	90.7	93.6	43.4	95.3	-5.9	96.7 76.5	77.6		97.5 95.3	9.6		97.0	
		77.4		9 9	94.	4.4	75.1	15.8	000	77.0			2.0			
≥ 100 ≥ 0	•	7	- 1			4.4	95.1	26.8	76.7			V 7	-			100.0

TOTAL	NUMBER	OF	OBSERVATIONS	

### **CEILING VERSUS VISIBILITY**

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	SIBILITY (SI	TATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥เห	≥ 1%	≥ 1	≥ ¥	≥ %	≥ 1/2	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000			56.3 56.5	34.3 31.0	62.5	19.3	43.0	57.7		64.7	41.7 54.7	61.7	55.7	62.7	: _	55. °
≥ 18000 ≥ 16000		25.	54.	(2)	62.3	:2.3	63.	47.7	58.0	64.7	5407	+4.7	2 7	45.7	67.7	5.5 . 7
≥ 14000	<del></del> -	4.7.5	57.2		62.7	.2.7	63.3	3.7	54.5	65.	6.7	65.	5 .7	65.0	67.3	
≥ 12000		1,5	63.7	54.3	63.7	34.7	65.3	96.0	45.3	55.7	45.7	68.7	6:07	68.0	69.3	71.7
≥ 10000 ≥ 9000		.8	u1.7	64.3	64.7	44.7	65.3	46.5		51.	67.	67.3	65.0	54.	60.3	71.
≥ 8000 ≥ 7000		(C.3	53.7 64.3	67.3	67.7	•7.0 57.7	67.7	67.0		69.3	69.3 70.0	59.3 70.0		71.	71.7	73.7
≥ 6000 ≥ 5000		60.7	64.7	67.7	68.7	(0.)	68.7	69.3	10.7	70.3	70.3	70.3	73 2 7	71.3	72.7	74.7
≥ 4500 ≥ 4000		11.7	65.3	69.3	69.5	49.3	50.7	97.3 20.7	71.	71.7	71.7	71.7	77.7	72.7	73.7	7 . *
≥ 3500 ≥ 3000		3.0	67.0	69.0	89.3	19.3	70.0	72.5	71.7	71.7	71.7	71.7	74.3	72.7	74.	7.,
≥ 2500 ≥ 2000		16.0	70.0	72.0		70.0	73.3	74.0	1	75.	75.0.	75.7	75.7	76.0	77.1	91.
≥ 1800 ≥ 1500		15.0	75.7	73.3	74.7		75.0	75.7	75.0	72.7	75.7	76.7	77.7	77.7	70.	21. 5:45
≥ 1200 ≥ 1000		57.	71.3	76.3	76.3	76.3	77.3	78.0		79.	70.	79.) 20.7	40.5			83.7
≥ 900 ≥ 800		67.7	73.3	77.0	70.	78.3 78.7	79.7	47.3	30.7	81.7	\$1.3 81.7	51.3 51.7		92.7	64.3	84.0
≥ 700 ≥ 600		18.	74.3	79.3 93.0	, , ,	2.3	61.7 43.7	32.3	29.7	33.3	93.3	\$3.3 85.7		1	\$6.0 88.7	85.
≥ 500 ≥ 400		59.7	74.	81.0	3 ' • 3	3.3	85.0 66.0	-	86.0	90.7	37.3	47.3		28.7	97.0	
≥ 300 ≥ 200		71/03	75.7	51.7 81.7	94.7	24.7	86.7	07.3	67.7	88.3	57.5 90.0	93.0	-		91.7	35.
≥ 100 ≥ 0		73.3	70.7	61.7	85.0	75.0	97.	P\$ . 0	88.3	94.0	71.7	91.0	93.0	93.3	94.7	97.3

TAI	MUMBER	OF	OBSERVATIONS	31	* *
-	MOMBER	O.	OBSEKA VIIOUS	•	

DIRNAVOCEANMET

### **CEILING VERSUS VISIBILITY**

STATION NAME PERCENTAGE FREQUENCY OF OCCURRENCE

### (FROM HOURLY OBSERVATIONS)

CEILING (FEET)		VISHBILITY (STATUTE MILES)														
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	2 %	2 11	≥ 5/16	≥ 4	≥ 0
NO CEILING ≥ 20000		2.3	50.3	54.3	- 1	16.7	30.7 61.2		3 4 6 7	5 % 5 4 a 2	50.0 54.5	54.2	. ~ . 7		:1.7	
≥ 18000 ≥ 16000		2.3	3 . 3	59.3	6 . 7	60.7	62.	2.3		74.3 84.	: 4 .	540°		54.7	65.3	
≥ 14000 ≥ 12000		3.5	5 . 7	40.7 60.3	01.6	1.7	63.3 63.3	17.7	57.7	54.3	64.3°	64.2 65.	5.07	65.7	65.7	67.7
≥ 10000 ≥ 9000		5.	5 7	51.7		43.3	24.7 45.0	55 · 1	41.	66.7	66.7 57.	57.3	67.7	57.1	64. S	10.1
≥ 8000 ≥ 7000		54.7	51.3	64.7	56.0	66.0 6.0	67.7	58.0 18.0	54.7	59.7	60.7	, 0 , 7 59 , 7	7 . 1	73	71.3	7
≥ 6000 ≥ 5000		.7.5 .7.7	62.7	65.3		57.3	69.0	49.3	69.7	7 . 3	77.3	71.7	71.7	71.7	77.7	73.1
≥ 4500 ≥ 4000		10.5 54.5	67.3			63.J	1		70.7	71.7	71.7	71.7	1	72.3 73.0	73.3 74.	75.
≥ 3500 ≥ 3000		50.0	64.3	67.	66.3	40 • 3 69 • 7	70.0	1	70.7			72.3			74."	
≥ 2500 ≥ 2000		1.	67.0	1	1 -	73.3	77.3	73.0 75.0	75.7	74.7	- 1	74.7	77.3	75 • 3 77 • 3	76.3 78.3	75.
≥ 1800 ≥ 1500		1.0	67.0 64.0		1	72.3	74.5	75.0	75.0 75.3			76.7	77.3	77.3 79.7	78.3 79.7	1
≥ 1200 ≥ 1000		53.1	60.5 70.3	, , , ,	3	75.0	77.0		77.7	79.3	- 1		67.	43.0	:1.7 :4.	45.
≥ 900 ≥ 800		.3.7	73.7	75.7	1	79.7	81.0	11.3	81.3	43.7	93.0 63.7	63.7	33.7	83.7		
≥ 700 ≥ 600		- 4 . 3	71.3 71.7	75.7	1	79.7	81.3 82.0	1	62.7		1	85.6			36.3	88. 36.
≥ 500 ≥ 400		44.3	72.0	77.7 78.1		37.7	84.7	1	54.7 85.7		45.7 67.7	\$6.3 87.7		-	89.7	
≥ 300 ≥ 200		6.3	73.7	79.3 77.7		92.7	85.7	ศ7.ฏ 8 <b>8.</b> 3	97.7 88.3		88 • 7 97 • 3	90.3	A9.7	21.3	72.3	3
≥ 100 ≥ 0		0.3	74.0	ŀ		3.0			64.3		91.7	45.7 41.0		i		75.7

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### **CEILING VERSUS VISIBILITY**

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE

				PERCE!			RLY OF				<b>-</b>			•	HOURS (	L S T +
CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000		*3.5	47. Y	45.7	• •	47.0 51.3		49.3	40.3 54.3		50.3 50.0	50.3 56.0		1 - 1	52.0	
≥ 18000 ≥ 16000		1.3	47.	49.3	51.0	51.3		54.3	54.3	5 + . 7	56.0	56.3 56.0	: 5.7		57.7	
≥ 14000		1.3	47.	49.3	51.	11.3	53.7	*4.3	54.3	54.7	56.	56.63	56.7	56.7	57.7	<b>6</b> 1
≥ 12000 ≥ 10000		41.7	47.3 50.0	52.7	54.3	74.7	57.0	54.7	54.7	55.0	59.7	56.3	5 1.3	67.3	61.3	£ 10
≥ 9000 ≥ 8000	<u> </u>	44.7	50.3 52.7	53.0 55.7	57.5	53.0	57.3 60.3	58.0 51.0	61.	58.3	£7.0	67.3	64.3	5% . 7	61.7	4.4
≥ 7000		47.0	53.3	56.3	50.0	56 . 7 5 . 3	61.E	62.3	61.7		64.	64.7	+5."	45.5	16.5	4.9
≥ 6000 ≥ 5000		9707	54.1	57.7		59.7	62.9		47.7		65.	55.7	66.7	66.7	67.7	۰۰ر ۲۱
≥ 4500 ≥ 4000	<u> </u>	90.0	54.7	77.7	54.7	743 o S	67.0	4.3.7	53.7	54.3	66.0	66.0	67.0	67	6.8	71
≥ 3500 ≥ 3000		• • •	51.	58.3	61.0	50.7	64.3	្ន មាន ខេត្ត	54.ª 55.∎¶	69.7	57.3	55.3 57.3			69.7	
≥ 2500 ≥ 2000		1.7	5 7	(	64.0	63.3	65.1	65.7	65.7 65.7	67.3	7 . 7	60.0 70.7	75.3	1 1		
≥ 1800 ≥ 1500		107	57.0	F2.5	64.1	14.7	67.7	59.3 50.3	64.3	69.	71.7	7 .7	77.0	73.0	73.3	77
≥ 17′° ≥ 1000	·	3.7	62.7	63.7	65.7	, ,	69.3	70.0	70.0	73.7	77.1	72.3	73.7	75.7	77.7	77
≥ 900 ≥ 800	~ —	3.7		65.7	AR.	18.7	71.7	77.3	74.0	730	74.7	74.7	76.3	76.3		0
≥ 700		15.3	6.00	53.7	71.0	71.7	75.7	75.7	72.7	76.3	7 F . 7	78.7	72.7	79.7	81.	1
≥ 500		50.60	60.3	70.7	73.3	76.0		78.7	78.7	37.3	31.3	41.3	23.7	93.0	37.7	ē a
≥ 400		4 4	6:03		75.7							95.7				91

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET

### **CEILING VERSUS VISIBILITY**

4.54

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	2 %	≥ 5/16	≥ 4	≥ 0
NO CEILING		45.4	45.		51.7	1.3	51.7	50.0	2.7	1.7.7	72.3	52.3	1.7.8	7.3		2.3
≥ 20000		45.7	نعنن	54 . Y	55.7		26.3	إنعت	55.7	57.00	57.5	57.0	7.€	2100		
≥ 18000 ≥ 16000		. 7	51.3	15.0	50.0	15.3 46.3	56.7	57.0 57.0	57.7	-7-3	57.5	51.3	5 7 . T	57.3	57.3	37.5 81.3
≥ 14000		47.3	51.7	53.3	54.3	36.7	37.	7.3	57.3	\$ 7 . 7	7,7	7.7	5 7 7	* 7.7		67.7
≥ 12000			52.3	£6.0	57.	7.3	57.7	ر و . برولار	30.			14.3		53.3		
≥ 10000	·	Ü.,	54.3		50.0	. 7 . 3		6		6 Ja 3		3	. ?	62.3	-	
≥ 9000			54.3		50.0	,6 . 5	50.7	n. 5	7	50 T	ატ <b>ა</b> 3	4 . 3	50.3	5 . 3		
≥ 8000		3.1	57.7	51.7	62.7	53.3	63.7	* * • 13	44.0	64.7	64.7	64.7	į, t	64.7	£4.7	14.7
≥ 7000		.4.0	5 7	A2.7	63.7	54.3	44.7	45.0	٠ 5 و 5	45.7	55.7	e 5 . 7	4	5.7	55.7	43.7
≥ 6000		.4.6	\$5.7	62.7	67.7	54.3	64.7	. 5 . 0	ر 1• د	65.7	59.07	65.7	Ė	5.7	65.7	4 7
≥ 5000		14.1	50.5	63.3	64.1	∞5 • 🗅	65.3	15.7	05.7	06.3	56.3	65.3	50.3	6t . 3	55.7	66.
≥ 4500		-3.	60.0	64 a D	₽× • 0	15.7	65.0	1.4.4.3	04.4	67.3	67.3	67.3	U7.3	67.3	67.5	5 7
≥ 4000		.5.1	60.3	35.0	66.0	:0.7	67.0	57.3		650 }	9 . 5	65.3	50.3	\$ 30 4 3	64.3	<u> </u>
≥ 3500		5.7	60.7	65.3	86.7	67.3	67.7	68.0	52.0	64.	00.	6.901	53.0	69.	59.	44.
≥ 3000		3/107	32.5	15.7	\$6.3			.0,7		7 ."	7. , 9		7 . 7		7 . 7	. 7 . 7
≥ 2500		5.7 • S	62.7	67.3	<b>68.</b> €	59.7	70.0	-	70.3	71.3	_		71.7	71.3	71.7	71.7
≥ 2000		7.7	3030	52.7		11.0	71.3	71.7	77.7	7207	77.7				13.	
≥ 1800		*7.7		1 1 1		71.0						1			73.	2.
≥ 1500		14.7			73.	-4.	74,7	*5.7	75.	76.3	74 7	76.3	76.	75.7	16.7	
≥ 1200		4 • 3	64.7					76.3	- 1	77.7	77.7				79	•
≥ 1000		1.3	64.	74.3						70.7		<del></del> -	17,7	· • • ·		• •
≥ 900 ≥ 800		.2 •	61.7		77.3			70.3					_	21.3	1.7	1.
≥ 800	·	×3 • 7	70.7		79.7	_	81.7	12.7	42.7	9400		14 0		24.3		
≥ 700 > 600		4 . 7	72.7	1		3.3	94.5		4 2 4 2	40.7		16.7				•
		5.3	73.3		93.6	24.3 87.0		39 3	81.3	97.7		27.7		J 6 7	71.7	
≥ 500 ≥ 400		6.00 6.00	74.7		•	37.7					¥1.3		1.3	+' • 7   5 k • 7		
	·	5.7	75.3	33.0	56.3	40.9	92.0	73.7	03.7	95.	75	05.	25.3		75.7	
≥ 300 ≥ 200		6.7	75.3		48.7	30.7		^4.7	7 14 7	76.	96.7	.6.7	1.3		27.7	. , ,
		6.1	75.3	24.3	94.7	3D. 7	93.1		24.2			270	C 1 . 3			63.
≥ 100 ≥ 0		8.7	75.5	1		00.7		34.7	· · · · ·		!	97.0	49.9		99.7	

TOTAL	MILMARS	~	CASSEVATIONS	

### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST	ATUTE MIL	.ES)		-		-		
(FRET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 3	≥ 1%	≥ 14	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000		47.7	5 ° . 3	5 .7 58 .7	50.7 56.0	13.7 56.0	50.7	10.7 6.0	5 % • C	54.0	51.7 58.0	50.7 56.0	57.7 57.0	50.0 50.0	5 3 4 5 5 4 4 5	5.00
≥ 18000 ≥ 16000		4.7	57.3	58.3 58.5	50.0 58.0	58 . C	50.7	5.9⊕() % 8⊕()	59.5 58.0	53.3	50.0 51.0	50.0	!	53.0 55.0	50.0	E 1
≥ 14000 ≥ 12000		5.3	57.3 50.0	54.7	53.7 58.7	58.3 58.7	59.0 58.7	F3.0	53.7 59.7	59.5 56.7	50.7	58.7	F 8 . C	58.0 58.7	54.7	50.7
≥ 10000 ≥ 9000		£7.7 ∫å.3	60.7	61.3	61.3	11.7	61.7	41.3 51.7	#1.3 61.7	61.7	63.3	61.3	£1.3	61.3	61.7	11.7
≥ \$000 ≥ 7000	<u> </u>	60.3	63.3	64.7	64.7	54.0 64.7	64.7	54.7	64.7	64.7	64.7	64.7	64.7	54 . 7	64.7	£4.
≥ 6000 ≥ 5000		-1.3 -2.0	64.7	65.3	65.3 46.0	63.3 64.0	65.3	65.3 65.0	63.	65.3 55.0	65.3	65.3	65.5	66.	66.	65.4
≥ 4500 ≥ 4000		12.3	65.7	67.3	66.5	15.3		67.7	55.7 57.7	67.7	65.7	66.7	56.7	65.7	66.7	66.7
≥ 3500 ≥ 3000		67.0	67.3	58.3	65.0 71.0	53.3 71.0	6°.3	64.3	55.3 71.3	62.3	71.5	71.3	1	48.3 71.3		71.
≥ 2500 ≥ 2000		3.3	74.0	76.3	75.0	75.5 78.3	75.3	75.3 74.7	75.5	75 . 3 78 . 7	75.7	75.3	70.7	79.7	75.3 74.7	75.7
≥ 1800 ≥ 1500		3.7	85.7	73.7	73.7 81.0	78.7	70.0 35.1	79.0 15.3	79.0 05.3	79.J	79.0 85.3	79.0 35.3	35.3	79. 55.3	79 a5.3	95.3
≥ 1200 ≥ 1000		1.	3 . 7	ca.3	91.5	48.7 91.0	91.3	37.7	83°,	91.3	91.3	91.3	11.3	84.0 	80.5 91.5	41.3
≥ 900 ≥ 800		3.0	90.0	72.0	91.3	·1.3	92.7	92.7	91.7	91.7 92.7	91.7 92.7	71.7	\$1.7 \$2.7		\$2.7	٠, ,
≥ 700 ≥ 600		3 0 0 3 0 2	90.7 91.0			43.0 44.3	94.7	23.3 24.7	93.3 94.7		94.7	93.3	<u> </u>	94.7	93.3	1
≥ 500 ≥ 400		14.7 5.	97.7		95.7	°5.3	96.0 96.7	48.0	93.0	98.0	98.0	84.0	Qa.	28.	99.0	
≥ 300 ≥ 200			93.0	55.7 26.6	96.3	96.7	97.7	98.3	99.7	79.3	98.7	98.7	<del></del>	78.7	98.7 69.3	90.
≥ 100 ≥ 0		5.1	93°U	96.0	96.3	6.7	97.7	79.Q	99.7	99.3	99.3		100.0	,		1

		***
TAI MILMRES	OF OBSERVATIONS	\$

### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING																
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ *	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	_		67.7	52.0		2.0		32.0 51.7	52.0		52.0 51.7	52.0		52.	57.7	51.7
≥ 18000 ≥ 16000			61.7	61.7	61.7	41.7 61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7		
≥ 14000 ≥ 12000		2.1	61.7	£1.7	61.7	01.7		42.3	61.7	<del></del>	62.3	61.7	61.7	61.7	61.7	61.7
≥ 10000 ≥ 9000		3 . 3	67.3		67.3	47.3	66.0	64.0 67.3	%6.0 67.3	66.0				67.3	67.3	56.0
≥ 8000 ≥ 7000		67.	72.7			70.7		70.7	72.7	<del></del>		77.7			70.7	77.3
≥ 6000 ≥ 5000		69.3	73.0	73.0	- 1	3.0	73.0	73.C 75.3	73.0			73.7	73.0	73.0	77.1	
≥ 4500 ≥ 4000		71.7	74.7	74.7	74.7	70.7	74.7	74.7	74.7	74.7 76.0	74.7	74.7	<del></del>	74.7	74.7	_
≥ 3500 ≥ 3000		73.0	77.7	76.3 76.3	76.3 78.3	76.3		76.3	76.7	76.3 76.3	76.3	76.3	76.3	76 • 3 78 • 3	76.5	75.0
≥ 2500 ≥ 2000		5.°	87.0 44.7	80.3 85.0	20.7 85.3	FQ.7	80.7 85.3	5.7	87.7	86	81. °	81.3	11.0 85.0	86.0	81.0	51. 36.1
≥ 1800 ≥ 1500		79.3	85.0	85.3 89.0	85.7	25.7	95.7 89.3		86.7	56.3	36.3	66.3	74.3 77.7	86.3	84.3	#6. } a: , '
≥ 1200 ≥ 1000		89.3	91.	90.7	91.3	72.3		71.7	91.7	92.5	93.3	92.3	92.7	92.7	92.7	77
≥ 900 ≥ 800		5.3	91.3	92.3		93.0	92.7	03.0 03.0	93.7	93.7	53.7 94.0	94.5	34.8 .4.3	94.0	94.C	94.( 64.3
≥ 700 ≥ 600		6.	92.3	93.3	91.7	94.3	1 1	24 . B	94.3	95.7	94.7	94.7		95.0	95.0 95.3	
≥ 500 ≥ 400		6.7	25.0	74.3	95.3	75.0		95.7 36.3	95.7	9e . 3	56.3 97.1	96.3	27.3	96.7	96.7	98.7
≥ 300 ≥ 200		6.7	97.7	95.3	76 • 3	6.7	96.7	27.3 97.7	97.3	98.3	78.3	99.0	78.7 99.3	98.7	99.7	99.3
≥ 100 ≥ 0		5.7	91.7	95.3	76.3	6.7	96.7	7.7	97.7			• -		100.0		

TOTAL	NUMBER	OF	OBSERVATIONS	

STATION NAME

### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/9	≥ 2	≥ 11%	≥ 1%	≥ 1	≥ %	≥ %	≥ 1/2	≥ 5/16	≥ ¼	≥ 0
NO CEILING			200	59.	59.3	7.5		1.5.3	r n 🛊 🖲	E 7 . 3	27.3	25 <b>€</b> ₹	20.8	30.0	60.	
≥ 20000			54.7	45.5	5° • 7	15.7	25.7	5.7	65.7	55.7	50.7	65.7		65.7	45.7	
≥ 18000 ≥ 16000		3.3	54.7 1/4.7	65.3 69.3	65.7 65.7	65.7	65.7	45.7 45.7	65.7	65.7	65.7 65.7	45.7 05.7	45.7	65.7 65.7	5 F . 7	1
≥ 14000 ≥ 12000		4.5	54.7 66.0	65.3	67.	65.7	65.7 67.3	65.7 57.5	65.7	65.7	67.	67.7	65.7	57	1.5.7	17.
≥ 10000 ≥ 9000		6.7	68.3	59.5	67.7	69.7		19.7	69.7	61.7	67.7	59.7	50.7	49.7 49.7	69.7	55.7
≥ 8000 ≥ 7000		9.0	71.3	72.0	73.7	73.7	73.7	74.7	74.7	73.7	74.7	73.7			77.7	7 .7
≥ 6000 ≥ 5000		7165	77.7	73.3	75.5	76.7	75.0 75.0	75.5 76.0	75.0		35.51	75.5	!	75.	75.3	71.
≥ 4500 ≥ 4000		74.	15.7	76.7	70.3	79.1	75.3	74.3	73.3	7 *	70.7	70.3	1	78.3	79.1	, 1 . • .
≥ 3500 ≥ 3000		74.7	77.3	7:03	70.1	79.3	70.3	*7.3		1		79.7	72.3	77.	70. ·	7
≥ 2500 ≥ 2000		7.3	3	30 <b>.7</b> 32.5	R	12.3 4.3	97.3	- 3 • 3 ⊕4 • 3	1.4.7		# C . S		4.3	2.7	64.3	- 4 g
≥ 1800 ≥ 1500		7 7 7	81.0	72.3 35.0	89.7	44.7 59.0	84.7	74.7 89.3	34.7	34.7	£4.7		है के <b>प</b>	24.7 94.3	74.7 54.8	1 6
≥ 1200 ≥ 1000		1 1 0 7	35.7	88.3 88.7	91.3 91.7	1.3	92.3	51.7 -2.7	92.7	91.7	97.7	12.7	21.7	°1.7	47.7	FT.
≥ 900 ≥ 800		3.0	47.	83.7 69.7	93.3	3.3	92.3	2.7 7n.5	1403	92.7 94.7	92.7 94.7	74.7	1	□2.07 74.7		74.
≥ 700 ≥ 600		3.7	84.7	00.7	94.0	04 . 3	95.0	- 3	75.7 75.3	75.3		95.3 95.7		1	75.3	
≥ 500 ≥ 400		4.7	8 . 7	91.3 92.0	75.0 25.7	15.0 95.0	95.7	37.0	7 . C	77.3	97.3	95.3	₹/	97.3	96.3	1.7.
≥ 300 ≥ 200		14.7	87.7	92.0	95.7 95.7	ें€ • उ ∀7 • ऽ	7e.7	27.G	47.5	97.3	97.3 52.7	97.3	93.7	97.3	98.7	30.7
≥ 100 > 0		14.7	80.7	\$2.0 92.0	96.7 96.7	7.	97.7	38.0 35.0	30.5	93.7	99.3	99.3		39.3		1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET

STATION NAME

### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 11/2	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ 1.	≥ 0
NO CEILING ≥ 20000		3.7	57.	6.5		40.0 66.3	50.3 66.7	1 .				/1.0	1.3	1.3		55.
≥ 18000 ≥ 16000		(3,7	63.7	65.3	54.03		67.	-7.7			4	6 . 3			62.7	+
≥ 14000 ≥ 12000			_	45.7	56.7	67.0	67.3		67.	50.3	6 . 7	6: . 7	85.0	57.0		
≥ 10000 ≥ 9000		7 . 7	47.7	19.3	73.3	30.7	71.0	71.7	71.7	72.	77.1	77.3	77.7	<del></del>	72.7	,
≥ 8000 ≥ 7000		7	62.7	71.7		1	_	74.0			1	74.7	7:00	75.7	75.7	7.
≥ 6000 ≥ 5000		55.7	70.7	72.7	73.7	74.0	74.3 75.0		75.0	75.3	77.7	73.7	71.	76 • 7	74.7	74.
≥ 4500 ≥ 4000		5.7	71.7	74.0	75.0		75.7	1		70.7		77.	77.3	77.5	77.1	
≥ 3500 ≥ 3000		67.5	72.5	74.7			76.7		-		77.7	77.7		1	73.7	7:
≥ 2500 ≥ 2000		3	74.3		78.5	78.3	78.7	74.3		75.7	0 .	# .5 32.0	6.7 <b>. 3</b>	97.3	97.3	
≥ 1800 ≥ 1500		77	74.3	77.0 82.0		3.7	81.0 84.7	1.7	91.7 24.7	35.0		< ₹ • 3	4.0° °	82.7 45.0	82.7 36.7	7.
≥ 1200 ≥ 1000		73.7	75.0	82.0 84.0		7.50	34.1	45.7	54.7 54.5		25.7 35.5	50.7 50.1	87.0 27.3	1 _ '		3 F
≥ 900 ≥ 800		75.0	81.3	94 . ↑ 64 . ₹	86.5	·6.3	87.7	i -	56.7	96.3		89.3		99.7	57.1	
≥ 700 ≥ 600		75.7 75.7	87.0 87.3	₹5.0 ₽5.3	37.0	1 1	89.3	90.3	30.0	90.7	91.7	41.7	21.7	92.	91.7	1.
≥ 500 ≥ 400		75.7	83.4 33.3	14.6		29.5	90.0 90.7	1.0	21.7	72.5	97.3	72.5	57.7 54.9	72.7 93.5	47.7	77.
≥ 300 ≥ 200		16.	83.3 83.3	35.7 A7.0	90.7	*1.8	92.7	3.3	93.7 93.7	94.3	95.0 96.0	91.0 96.0	75.3		45.₹ 26.3	٠,
≥ 100 > 0		16.	93.		97.7			€ 4 .	94.0°	45.7	97.3	7.5	38. T	98.3	1	

TOTAL NUMBER OF OBSERVATIONS

### **CEILING VERSUS VISIBILITY**

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ 1,	≥ 0
NO CEILING ≥ 20000			57.5	r . 4	54.5	10.3	55.1	33.3	53.8	45.7	55.9 51.5	55.9	32.2	50.5 52.0		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
≥ 18000 ≥ 16000		4 • C	57.7	*4.5	67.	- 13 . 1 - 13 . 1	A1.0	1.5	61.7	51.º	52.J	62.3 52.0	1		52.7	
≥ 14000 ≥ 12000		4 . 3	50.5	39.7	£4 61.1	1.3	61.1 61.5	62.5	51.5	5	87.0	67.1	7, of	62.5 .3.2	57.	7.
≥ 10000 ≥ 9000		7.,	61.7	67.3 53.1		3.7	64.3	· * • 7	64.7 55.	65.1 63.4	1 5 . 4 1 5 . 7	65.4 65.7	1	65.7	65.4	( ) ( )
≥ \$000 ≥ 7000		4	57.2	_	67.5	47.4	57.8 68.4		ا م ان ان ان ان	60.3		6 ° 6 5		67.5	7 .	7 ;
≥ 6000 ≥ 5000		1.2	£ 50 €	57.1 67.7	88.0 2.58		5 . n	69.6	4.3±3 59•€		70.0	75.0 73.5	,	7 .4 70 . r		*1., ;
≥ 4500 ≥ 4000		2.4	5.0	44.2		773.4		1.5	71.7	72.1	71.6	71.6 71.5	77.7	72.7	7 1 . 1	
≥ 3500 ≥ 3000		2 . 7	6 . 4	17.5			71.4	73.A	71.A 73.4	1 - !	70.2			77.0.	75.0	7
≥ 2500 ≥ 2000		5.3 67.3	70.2 70.3	77.7	7 1	74.c	74.8		75.7	73.2 78.2	76.1 76.5	75 - 1 75 - 5	7.0	76.5 76.9	77.	77.
≥ 1800 ≥ 1500			77.4	77.4	70.4	76.5	77.3 53.5	17.3	1.	77.4 *1.1	) (d)	72.5	97.4	2.5	70.	•
≥ 1200 ≥ 1000		3	75.5	79. N	37.5		92.0 *2.0		54.5	35.1 45.1	₹3.4 13.5			, e	1 4 4 4 1 5 5 6 7	
≥ 900 ≥ 800		2.1	77.9	E 1		.4.2	54.3 55.4	5.	31 . 1	26.00	67.1			27.7	87.3 28.2	
≥ 700 ≥ 600		3.6	87.1	11.9		15.3	65.5 37.6	. e. y	46.3		% <b>3 • 4</b> {	15.4	90.0	9.0	50.5	1.
≥ 500 ≥ 400		73.4	्री • 4 स्रो • 4	74.3 24.5	97.	57.4 48.3	89.0		9 1 0		3 . 3	72.1	57.5		47.2	4
≥ 300 ≥ 200		74.2	31.44 51.48	0 € 0 0	87.2	70.7	71.1 91.7	2.5 27.4		94.2	:3.5 04.8		45.4		96.	57.
≥ 100		74.07	81.K	36.03	8	4.8	91.7	-3.0	2.3 € 0	74.5	75.4	34.4	40.5	30.0	97.1	

TOTAL	MUMBER	OF OI	LSERVAT	IONS	

### **CEILING VERSUS VISIBILITY**

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/4	≥ 2	≥ 11/3	≥ 1%	≥ 1	≥ ¾	≥ %	≥ %	≥ 5/16	≥ .	≥ 0
NO CEILING ≥ 20000		1.	4	13.5 26.5	. 1	3 • t	9 . ? > 4 . 4	4 • 2 : • 4	* A . *	54.0	5 • 7	۶ م. ۲ ۲ م. د	,		50.7	· · · ·
≥ 18000 ≥ 16000		1.0	2, 1 a.	56.5	57.4	_	54.4 54.4		50.0	5 - 4	" . <b>7</b>	7	, ,	7.	50.7	
≥ 14000 ≥ 12000		1.3	57.	50.0 17.1	57.7 51.1	18.1			53.7	5 : • 7	56.	e de . Gereta		19.4		
≥ 10000 ≥ 9000		4.7	5 , c	54.4 54.7	50 € 3 50 € 7	3.7	61.3 61.5	1.7	1.7	:1.: 51.0	1.6	01.0	/ 1 . n	(1.0	11.0	
≥ 8000 ≥ 7000		7.7	57.7 67.7	61.5 13.0	5 . · ·	43.2 24.7	\$ 00 \$ 00 \$ 00	\$ \$ \$ 5 \$ 5 \$	ئولان ئولان	5 to 2 55 of	84.7 65.8	ς <b>α.</b> ? 5.5 • 3	04.° <u>21.</u> 1	54.3 65.4	5. <b>↓ •</b> ?	- (
≥ 6000 ≥ 5000		• 1	61.0	63.9 68.49	e, de grande e, de grande	5.7	€5•0 €5•4	* <b>5.</b>	15.00 15.00	55.5 5.6	1 * • 1 6 E • 1	55.1 66.1	6.1	65.1	5 6 . 1 5 C • 1	•
≥ 4500 ≥ 4000		7		64.5	& . • 1 € 6 • 1	05 • 3 •3 • 2	50.1 54.5	1	66.4 5-4	15.1		4 6 • 5 5 4 • 4	(/• <sup>5</sup>  +→• <sup>5</sup>	60 . S	4 7 4	
≥ 3500 ≥ 3000		1.	63.4 54.5	50.5 57.7	5 · 5		67.4 69.7	.7.7	5 7 . 4 6 7 . 7	11.4	67.7	7.7	. Y . 7	7.7		•
≥ 2500 ≥ 2000		1.8 5.5	6%.2 6%.1	65.7 71.6	71.7	73.7 73.3	77.0	7	7 .7	7	71.	71.	71.7	71. . 13.2	11.7 21.7	•
≥ 1800 ≥ 1500		3.	57.7 79.0	71.5	i i	72.7	75.5 75.5	7 t . 6	71.00 78.00	74.02	77.3	77.1	7.7	71.4	73.1	7
≥ 1200 ≥ 1000		67.7	70.0	74.5	76.5	76 • ° 77 • •	71.4	77.4	17.u	77.4	77.7	77.7 <u>~ • ?</u>	77.*	17 <b>.</b> !	77.7	• • • • • • • • • • • • • • • • • • • •
≥ 900 ≥ 800		1 12 2 4 4 1 2 3 4 4	77.3	74.7	7 . 7	1.3	1.00 2.00	1.0 2.0		4 • 2 • •	1 • 5 • 2 • 61	-1.3	}.; 	11.3 <u>- 3.</u> 9	· 1 . *	
≥ 700 ≥ 600	<b></b>	i	7. • 1 7(•1	31.7	3 4	3.2	94.1	, . 1	- • • • • • • • • • • • • • • • • • • •	5 • • ≟ 4 : • 5		2. •			٠ و <u>٥ و ٠ و</u>	. ` `.
≥ 500 ≥ 400		10.5	7 . 7	34.5	37.4 .7	7.7	31.	13.0	1.7	11.0	¥1.6		1.0	1.4	1.0	. 11:1
≥ 300 ≥ 200		7)	7 .4	16.5	99.7	· ) • '	91.9 91.1	ंदी • छ - <b>स</b> • डी	2 g 5	3 T • 2	5 3 • a 5 5 • 5		1.0	\$ 7 .	ै. <u>१८५</u> १३	· · ·
≥ 100 ≥ 0		1.0	7 . 7	34. A	7	1.0		4 . 5	4 . E		71.5	1. • 5 1. • 5	- 4. °	16.	15.	

TOTAL NUMBER OF OBSERVATIONS	

DIRNAVOCEANMET SMOS

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### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 11/2	≥ 1%	≥ 1	≥ ¾	≥ %	2 %	≥ 5/16	≥ '.	≥ 0
NO CEILING ≥ 20000		6.0	5, 5 , 4 5, 5 , 2	52.3 58.1	55.6 54.5	12. 55.5	53.2 57.7		23.4	5.40.7	5.4	54.7			5.5 . 7	-
≥ 18000 ≥ 16000			53.0 53.0	58.1	50.5	ئ <b>ن.</b> 5	57.7	57.7	57.7	5:.7	50.7 50.7	50.7	10.4	7.4.4 79.4	54.7	•
≥ 14000 ≥ 12000		1.0	31. 4	1.0 m 50 m 5	57.1 57.1		5 5 . 4 5 8 . 4	7 3 4 4	ुं ६ व र्म	57.4	59.4	59.4 57.4	1 .5	55.€ 30.€	* * * * * *	
≥ 10000 ≥ 9000		1.0	54.5	67.4 67.4		7.7	50.0 50.0	9.0	59. 59.60	€ 13 • 1. 6 • 3	5 .	6 1. T	7		51. 11.	1.
≥ 8000 ≥ 7000		1,5.	5 7 . 4 5	61.9	67.7	70.7 -2.3	63.0	43.6	63.	A2.5	52.0 54.5	52.9 54.5	2.50	45.	1 4 . 3 5 . 5	
≥ 6000 ≥ 5000		500	\$ 1.3	61.4 63.7	57. X		€ ₹ • 6 64 • #	23.6 64.8	53.00 54.00	64.5	84.5 65.11	54.5	37.€ F1.3	68.5 66.	57.1	6 T • 1
≥ 4500 ≥ 4000		107	11.	54.2	50.5		55.A	85.3	€ 5 • 5 ( 5 • 1)	57.7	68.1	67.7	7.7.7 	-	68.1 55.	
≥ 3500 ≥ 3000		•	5°•1 -4•2	15.3 47.1	55 . A	17.4	67.1	57.1 45.7	67.1	5	70.3	71.03	71.7	100 105	71.6	71.
≥ 2500 ≥ 2000		1.0	5 5 6 7 • 1	7 .7	71.7	71.	77.0	70 • 12 • c	70.7 72.6	71.9	1	71.7	77.5	72.5 75.5	73.0	7
≥ 1800 ≥ 1500			3	71.5 74.2	71.4	71.7	73.2 76.5		71.2 74.5	74.8	74.5		77.4	79.4	79.7	
≥ 1200 ≥ 1000			70.5	74 a S		75 - 5 78 - 1	77.1	70.7	77.0	79.	1.3	70.5	6	5	3 7 • 9	
≥ 900 ≥ 800		57.4	77.2	70.5		73.1 0.0	79.4	1.6	1.5	7 1 - 3 2 - 2	51.3 52.2	·1 • 3	14.5	76.06 74.01	22.9	7
≥ 700 ≥ 600		0 d • f	75.5	10.0 10.0	21.° 2.€	71.6 2.5	43.2		33.6	0 4. • 2 0 4. • 2	65.3 gr.a	(1.50 € 1.50 €	- 5 <b>. 5</b> .	56.5 77.1	51.3 57.4	: U • ·
≥ 500 ≥ 400		50 €.	76.5	41.6 47.6	85.4	5 <b>4.</b> 2	и5.8 57.4	* • 1	\$6.5 38.1	ਿਵ • ≱ ਭ ਹੋ • ਹੈ	88.1 68.3	0 3 • 1 70 • 6		91.1	1.6	1.
> 300 > 300		69.	7	80.0 80.0	50 • 1 8• • €	"6.1 6.5	97.7 P2.4	ه ن د	3 ) <b>4</b>	7. e	91.0	61.0 62.6	77.3 94.2		14.5	
≥ 100 ≥ 0		14.7	77.4	53.6 83.4	97.1 97.1	~7.1	80.4		* ) • 1	93.9	94.5	94.5			47.4 98.7	

TOTAL	NUMBER	OF	OBSERVATIONS	

#### **CEILING VERSUS VISIBILITY**

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) CEILING ≥ 10 ≥ 31% ≥ 6 ≥ 5 ≥ 1% ≥ 1% ≥ 5/16 ≥ ¼ 45.7 47.4 71.0 51. NO CEILING · C . 3 4. 5 . 51. ≥ 20000 55.0 3.2 4.3.0 ≥ 18000 ≥ 16000 53.4 54.5 53.2 <u>:3,2</u> 53.4 2.7 ≥ 14000 ≥ 12000 54. 55.5 ≥ 10000 ≥ 9000 ≥ 8000 ≥ 7000 50). -1 - 3 52.5 62.5 ≥ 6000 ≥ 5000 ≥ 4500 ≥ 4000 ≥ 3500 ≥ 3000 65.5 71. 53. 7 66. H 69.4 6× . 7 71. 71.5 ≥ 2500 ≥ 2000 72.5 72.6 72.6 73.9 75.2 1200 77.4 <u>></u> 900 33.2 33.6 83.6 23.9 <u>≥</u> 700 600 87.5 82. 42.9 84.5 67.7 91. 6.1 80.1 77.1 63.6 F2.6 35.9 38.7 40.3 92.9 93.6 74.5 89.4 . 3.9 26 . 1 1.3

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET

### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ 4	≥ 0
NO CEILING ≥ 20000		4.3	4	4	47.4	19.4	45.7	45.7	45.7	4 - 7	49.7	85.7 80.7	4 . 7	4 7	49.7	40.1
≥ 18000 ≥ 16000		4.7	4 . ?	49.8	49.4	49.4	)	47.7	57.7	€ 7.7 10.0	10.0	11.0	46.7 57.6	44.7 50.0	40.7	7 ~ .
≥ 14000 ≥ 12000	·	• # . F	30.5	1.0	57.0 51.7	1.	50.3 51.3	1.3	57.3	51.3	51.3	57.3	51.7	50.3 31.3	57.3	50.7
≥ 10000 ≥ 9000		4,7.3	54.5	55.2 55.8	55.8	55.5 55.1	56.3	· ( )	55.5	53.0 56.5	55.E 56.5	56.5	55.5 55.7	55. 56.5	35,5	15.1
≥ 8000 ≥ 7000		2.5	57.4	50.7	60.00	:0.3		70.7 40.7	67.7	6 .7	5 . 7 6 ~ . 7	60.7 60.7	61.7	60.7 60.7	1 7 . 7	*1.
≥ 6000 ≥ 5000		3	57.0 50.2	67.3	67.6	12.6		51.3 62.9	52.0	51.3 53.5	62.9	51.3	07.9	52.9	62.9	3.13
≥ 4500 ≥ 4000		5.	61.5 52.9	14.8 64.2	63.5	65.2	63.9	15.5	63.7 55.5	63.0 53.5	53.7 65.5	63.9 65.5		63.7	63.5	5.00
≥ 3500 ≥ 3000		• 1	54.	65.8	56.8 6'-1	67.4	67.4	47.4 47.7	57.4	67.4	67.7	57.7	67.7	67.4	67.7	57.7
≥ 2500 ≥ 2000		1.7	56.1	67.4 59.7	89.7 71.	71.3	,9.4 71.6	71.6	73.4	71.6	69.4 71.6	71.0		71.6	71.4	71.5
≥ 1800 ≥ 1500		3.03 3.5	5 . 1	69.7 77.3	73.6	73.9	71.6 74.2	71.5	71.6	71.5	71 o c 74 o 2	71.6	71.6	14.2	L	71.5 79.5
≥ 1200 ≥ 1000		5 • ? 5 • 1	72.2	75.0	73.2	75.5		75.A	79.0	75.8 79.0	75.8 79.0	75.5	75.8	75 • B	77.8	78.1 79.4
≥ 900 ≥ 800			71.4	ય ે . ડે	21.3	1.5		70.3 72.6	-2.6	82.5	3.3 32.5		£3.€	97.3 22.6	82.6	40.3
≥ 700 ≥ 600			31.6	£1.3	92.6 85.	. 4 . 4	83.6	63.9	33.3 57.1	27.1	27.1	37.1	84.2 87.4		5 <b>4.</b> 5	99.1
≥ 500 ≥ 400		12.5	33.2 33.6		87.7 89.	29.7	9 7	89.7 91.0	89.7	89.7 41.0	91.0	89.7		71.6	91.0	72.3
≥ 300 ≥ 200		72.7	83.6	46.5		11.3		72.6 73.6		73.6		94.8	05.5		96.5	98.8
≥ 100 ≥ 0		72.9	83.6 83.6		90.3 90.3	91.3	92.9	23.9	93.0	1	95.8 95.8	95.8	1		t	79.0 100.0

DIRNAVOCEANMET

### **CEILING VERSUS VISIBILITY**

STATION STATION MARKE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 11/2	≥ 1¼	≥ 1	≥ ¥	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000		41.4	52.6		45.1 53.2	45.1	4 .1	52.2	45.1	4 : • 4 5 3 • 6	40.4 53.5	53.6	44.4 53.5	47.4	46.4	g
≥ 18000 ≥ 16000		2.3	57.5	23.2 42.6	53.2 53.6	53.2 45.3		*3.2 33.6	53.7	5 i • E	51.0 53.0	53.9	57.6		53.6	
≥ 14000 ≥ 12000		7 • ti 5 • • •	52.9		53.6	13.0	53.5 55.0	″3.6 35.5	53.5	53.9	55.7	55.9	57.0	55.; 56.1		56.1
≥ 10000 ≥ 9000		⊼ 4 <b>. 4</b> ⊘5 . 7	54.7 50.0	59.4 55.7	50.4 57.7	59.7	59.4	59.4	59.4	54.7	59.7	59.7	50.7 60.0	59.7 50.0	59.7 57.6	50 . ? 5
≥ 8000 ≥ 7000			61.3	51.6 61.9	61.6	61.9 52.3	52.3 52.7	52.3 62.9	67.7	68.5 53.2	63.6	62.6	62.6	63.2	52.5 53.2	113.4 13.2
≥ 6000 ≥ 5000		-1.3	62.3	52.5 64.6	52.4 64.8	45.2	63.7 55.8	63.9 53.8	55.0 65.3	54.2 55.1	64.2	64.2	54.2 65.1	64.2 66.1	64.7	54.2
≥ 4500 ≥ 4000		1.7 . 7 34 . 7	84.5	65.2 67.1	64.2 57.1	55.4	56.1 69.1	66.1 53.1	48.1	16.5 65.4	65.5	66.5	46.5 50.4	66.5 68.4	68.4	66.°
≥ 3500 ≥ 3000		- 4 . A	67.4	60.1 65.7	69.1	66.4 59.0	69. 59.7	39.0 59.7	69.7	54.4	65.4 77.0	69.4	69.4 70.5	69.4 70.0	70.0	- 1
≥ 2500 ≥ 2000		6.7	71.9			70.3	71.9 73.9	71.0	71.0 73.3	71.5	71.3	71.3	71.2	71.3 74.2	71.5	74.
≥ 1800 ≥ 1500		43.7	71.9		72.9		73.9 75.4	73.4 74.4	73.0	74.2 79.7	74.2	74.2	• -		74.7 79.7	74
≥ 1200 ≥ 1000		76.5 76.4	87.9	4.2	31.5	1.9 5.2	►2.6 8<.#	3.06 65.08	80.6 85.2	₹2.5 30.1	3 3 . ¥ 85 . 1	37.9 25.1	67.9	:6.1	12.4	42.9
≥ 900 ≥ 600		79 • • •0 • 1	83.9 85.4	85.2	55.9 85.4	46.1	86.5 89.4	16.8	47.1	87.4	87.4 90.3	27.4 93.3	60.3	93.4	90.3	97.6
≥ 700 ≥ 600		(1.3	37.1	85.7 90.3	90.3	91.0	91.9	11.9	43.3		97.9	93.0			92.9	7.00
≥ 500 ≥ 400		1.3	89.7	92.3		93.9 95.2		75.2 27.1	95.5	75.8 97.7	96.1	96.1	95.1 93.1	06.1 98.1	96 - 1 98 - 1	90.1
≥ 300 ≥ 200		1.9	87.	99	95.2	95.8 36.8	94.7	07.7 18.7	98.1	30.4	98.7			100.0	49.1 136.5	
≥ 100 ≥ 0		1.9	5 ° • °	92.9		16.3	98.7	78.7	49.7	49.4 99.4	69.7				130.0 130.0	

TOTAL MUM	REP OF ORSERVATIONS	1

### **CEILING VERSUS VISIBILITY**

STATION FIELD, FL

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (PEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 11/4	≥ 1%	≥ 1	≥ ¾	≥ %	≥ %	≥ 5/16	≥ 1/4	≥ າ
NO CEILING		.4.2	44.3	45.2	•1	48.02	45.2	47.2	45.7	45.5		40.5	45.5		45.5	4 . 5
≥ 20000		1.6		13.9		7.2.7	:3.2	53.2	33.2	53.6	53.e	53.6	6		53.6	57.6
≥ 18000 ≥ 16000	_	1.6	57•6 57•7	52.9 53.2	57.9	52.9 53.2	53.2 53.5	€ 3 • ±	53.2 53.6	53.4	53.4 53.4	53.5	51.6 53.9	53.6 55.9	53.6	
≥ 14000 ≥ 12000		2.6	5 ° 6	53.9 55.2	51.9	63.0	54.2	19.2	59.2	54.5	54.5	54.5 55.8	54.5	54.5 55.3	5.4	\$4.5 55.5
≥ 10000 ≥ 9000	- <del></del>	.7.7	59.0	EG.4	59.4	59.4	59.7	59.7	59.7	5	60.0 60.0	67.0	37.0 86.0	50.0	50.0 60.0	6.10
≥ \$000 ≥ 7000		2.3	64.8	63.9		15.9	64.2	64.2 65.5	54.2	65.4		69.5 65.8		64.5	64.5	64.
≥ 6000 ≥ 5000		6.5	65.2	65.5	65.5	45.5	65.e	55.8 58.7	65.8	66.1	56.1	56.1	57.0	56.1	64.1	
≥ 4500 ≥ 4000		5.7.1	7 . 7	67.7 71.0	63.7	68.7	69.0 71.3	(7.5 1.3		71.5	69.4 71.0	71.5	57.8 71.5	69.4	60.4	43.0
≥ 3500 ≥ 3000		1.	71.6	71.9	71.9	73.9	72.5	72.3	70.3	77.6		72.6	77.6	72.6	72.6	77.5
≥ 2500 ≥ 2000		77.1	75.5	75.8		75.5	75.1	76.1 79.7	76 • 1 79 • 7	76.5	76.5 60.5	75.5			76.5	* 8 . S
≥ 1800 ≥ 1500		73.1	50.0 53.6	60.3 64.2	80.3 84.2	20.3	50.7 84.5	"ព.7 "4.5	5 . 7 34 . F	81.: 24.8	#3.43 64.8	34.5	*1.0 04.0	31.0	61.7 54.3	6 ] . - 4 . ć
≥ 1200 ≥ 1000		2.6	35.2 57.4	85.9	89.0	56.1	36.5 87.4	36.5	86.ª	35.8 8~.7		86.9	80.7	66.° 57.7	36.6	सं€्र ३०.१
≥ 900 ≥ 900		2.0	87.4	98.4 9.43	97.7	99.0	57.4 91.9	99.4		29.7 93		99.7 72.3	37.7	69.7	7.59	89.7
≥ 700 ≥ 600		15.2	9 .0	1.3	92.3	73.2	93.9	73.9	92.6 43.7	93.2	34.5	93.2		43.€ 94.€	\$ 3. 3 \$ 4. 5	24.5
≥ 500 ≥ 400		*6.5	91.3 71.6	93.9	94.9	54.3 "6.1	95.5	95.5 96.8	35.8 95.8	96.1	56.1	76.1 77.4	97.4	76 · 1	97.4	91.4
≥ 300 ≥ 200		6.5	31.3	74.5	97.4	77.4	98.4	98.4 95.7	95.4 98.7	99.4		99.4 99.7	57.4 V5.7	79.4 77.7	99.7	99.4
≥ 100 ≥ 0		6.9	92.3	9501	48.1	78 • 1	99.3	79.7		100.0			_			T .

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET

### **CEILING VERSUS VISIBILITY**

GRAFFING FTELD, FL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ ¾	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000		15.7	50.5	9.5 50.6	55.5 55.6	26.9	50.5	50.5 55.6	50.6 30.6	50.5 56.6	50.5	5 1.5	57.8	57.5 56.6	50.8 57.	57.
≥ 18000 ≥ 16000		5.7	56.3 56.5	50.6 55.6	50.6	56.6	56.5	56.6 56.6	55.6	56.6	55.5	16.6	55.6	56.5	57.0	
≥ 14000 ≥ 12000		57.3	57.7	5	57.7	97.3 60.5	57.3 60.5	27.3	57.3 61.5	57.5		57.3	7 . 2	57.3	5,7.6	5.7
≥ 10000 ≥ 9000		1.2.5	63.1	63.4 63.4	63.6	63.5	64.1	63.3	54.1	63.5	53.7 64.1	53.3	64.1	63.6	64.1	64.1
≥ 8000 ≥ 7000		. 4 . 4 . 5 . 7	65.4	67.3	65.3	67.6	56.3	50.3	56.3 65.0	56.3	65.3 68.0	50.3 68.3	60.3	66.3	64.7	6 - 7
≥ 6000 ≥ 5000		.5.7	66.7	57.3	67.6	63.0	68.0	65.1 63.3	53.5	64.	58.7 58.3	63.7 65.3	63.3	63.0°	68.6	5:
≥ 4500 ≥ 4000		67.3	6.00	50.9 63.9	60.3 70.2	69.3	63.6 70.6	- 1	59.5 73.6	69.6	69.6 70.6	69.6 70.6	77.6		70.9	63.4 7.1.4
≥ 3500 ≥ 3000		56.3	50.9	70.9	7:.5	71.2 *2.5	71.5	71.5	71.5	71.5	71.5	71.5 73.1	71.5 73.1	71.5 73.1	71.9 73.5	71.4
≥ 2500 ≥ 2000		74.1	74.4	75.4 77.7	75.7	75.7	76.1	76 - 1 78 - 3	76.1	76.4	76.4 70.6	76.4 78.6	76.4 79.6	75.4	75.7	76.7 79.3
≥ 1800 ≥ 1500		6.4	77.4		76.6	78.6		77.7	79.7 61.6	79.3		77.3	77.3	79.3 81.9	1	79.6
≥ 1200 ≥ 1000		77.7	80.7	92.5	97.0 97.1	72.7	87.4	93.2	53.2 27.4	93.5 97.7	33.5 87.7	53.5 67.7	*3.5 £7.7	83.5 57.7	83.8	ુ <sup>મ</sup> ુ ≥ ઉંડુ
≥ 900 ≥ 800		10.3	83.1 84.1	7.4 38.4	88.0 80.0	64.0 0.63	88.7	53.7 29.6	88.7 89.6	87.0 90.0	§9.7 90.0		43°U 43°U	i	1	
≥ 700 ≥ 600		1.6	80.0	#9.; 9∷.:U	89.5 94.0	ିତ • ଓ ା • ଅ	90.5		90.5 91.7	92.2		90.9	92.2		91.3	71.8 92.6
≥ 500 ≥ 400		2.5	84.7	91.9	94.8	73.9 95.2	94.8	94.5 15.4	96.4	95.2	96.9	95.2 96.5	95.2 94.8	75 • 2 76 • 9		95.0
≥ 300 ≥ 200		2.5	51.5	93.2	94.8	45.2	96.8	75.4	96.4	97.1	97.1 98.4	97.1 98.4	77.1		37.4	97.4
≥ 100 ≥ 0		2.5	87.3	93.2	95.2	5.5	97.4	0 % • 1	98.1	99.4	- 1	79.4 79.4	99.7		,	170.1 130.6

TOTAL NUMBER OF DESERVATIONS

### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING		· • • •	51.0	72.1	57.4	2.8	53.1	33.1	53.1	53.7	57.7	53.7	្តីមម	54.4	54.4	54.7
≥ 20000		3.	3.06	57.5	57.3	:7.6	57.0	77.9			59.6	50.6		59.2	59.2	57.5
≥ 18000		5.	Scot	57.0	57.3	-7.6	57.9				48 € €	24.6	59.2	57.2	57.2	-
≥ 16000		*, •	30.00	57.1	57.5	57.c	57.9	7.0			58.5	59.6		59.2	59.2	
≥ 14000		5.7	57.3	57.4	57.0	14.3	59.6	8.6	28.6		59.2	i	23.0	59.9	39.9	
≥ 12000		£ 7.5	53.5	5 4 9	50.2	19.6	59.9	59.5	50.9		6.00		61.2	61.2	£1.2	
≥ 10000		* 4 €	61.2	1	51. 4	12.1	62.5	52.3	62.5		63.1	63.1	53.A	(	4.3.a	54.
≥ 9000		· 6 • 9	61.7	63.5	01.5	22.1	62.	62.5	52.5		53.1	+ 3 - 2	53.9	63.4	63.4	* •
≥ 8000		12.3	6 . 4	54.7	65.1	63.4	65.7	55.0		67.6	67.0	67.1	6.7.6	67.5	67.6	£ 4 •
≥ 7000		2.5	04.7	65.1	45.4	15.7	66.7	A.5 . 3	66.3		67.3	67.3		5B	<b>b*</b> • 1	56.6
≥ 6000		73.1	6 . 1	45.4	45.7	50.0	56.3	~ A 7	65.7	67.5	67.6	67.6	60.3		58.5	
≥ 5000		13.4	65.7	50.0	66.3	4.7 · 1	68.0	68.3	6: • 7	68.9	59.3	69.3	50.5		59.6	€ · .
≥ 4500			500.7	66.5	66.7	67.4	69.6	- 1	69.9	7 9		77.9	,	71.5	71.5	
≥ 4000		5.4	67.5	63.0 63.0		68.9	70.6				71.8		71.5		72.5	7
≥ 3500 > 3000		4.7.	67.3	67.6	1	70.5	71.7	71.5			72.5	72.5	73.1	73.1	73.1	73.
_=-		67.5	69.9	73.9		71.9	77.8	73.1	73.1	74.4	74.4	74.4		75.1	75.1	7
≥ 2500 ≥ 2000		77.2	72.9	73.5		74.5	70.1	78.4	76.4		77.7	77.7		74.3	74.3	73.
		<del></del>	77.1	74.1	74 . 4	5.1	76.4	76.7	76.7	7000		73.5	73.6		73.5	75
≥ 1800 ≥ 1500		2.7	75.1	77	77.4	78.0	79.3	77.8			87.9	33.9		1.6	61.6	
		*3.1	76.1	78.7	70.3	79.	85.3	80.6				51.9			67.4	7.
≥ 1200 ≥ 1000		15.4	74.6		- 1	2.2	53.5	43.8	-	. 1	85.1	95.1	- 1		85.8	06.
		70.1	70.9	91.6	27.2	2.0	20.1	44.5	9 . 5		85.8	65.8			56.4	• 5
≥ 900 ≥ 600		75.1	77.9		32.7	13.5	54.8	7 -	49.1	1	36.4	35.4		27.1	87.1	
		16.7	80.7	83.8	84.5	(5.1	85.4	16.7	85.7	88.	85.0	88.0		89.7	89.7	ec.
≥ 700 ≥ 600		7 .5	82.0	46.1	86.7	47.4	88.7	39.	89.7		9 . 3	34.3			90.9	91.
≥ 500		79.6	34.1	17.7	86.7	49.3	90.9	71.5	\$1.8	52.6	92.6	92.5	23.5		54.7	23.0
≥ 400		72.9	84.5	04.0			91.9	2.6	42.6	1	94.5	64.5	95.2		95.7	75
≥ 300		75.0	34.4	43.4	90.3	40.9	92.9	23.5			94.5	95.5	66.1	56.1	96.1	04.
≥ 200		79.9	84.8	35.7	9 . 6	1.6	93.5	94.2	94.2		96.1	P6.1	+6.	96. 3	96.8	97.
≥ 100		77.0	44.0	28.7	9 .6		57.5	14.2	94.7	76.1	95.4	36.4	67.1	97.1	97.1	07.
≥ ′∞		79.9					73.5	4.2	94.2				97.4	97.7	93.4	0.5.

TOTAL NUMBER OF OBSERVATIONS

### **CEILING VERSUS VISIBILITY**

APRILO FTELO, FL.

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)							VIS	IBILITY (ST	ATUTE MIL	.ES)						
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1¼	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000		47.6	5 7 . 0	69.5 54.3	94 6	40.3	50.3 55.6	45.2	50.0	* '	5 .7	55.5	5 .9		:	51.1
≥ 18000 ≥ 16000		15.0	5 ? • D 5 3 • 1	54.3 54.4	54.6	4 . 5	55.0 53.2	75.1 55.1	55.1 55.2	8 % . S	5 G	55.5 55.7	55.7 55.9		1	55.
≥ 14000 ≥ 12000		1.3	37.5 54.8	56.3	56.4	15 . 2 55 . 5	55.6	56.9	55.9	50.1	56.1 57.4	57.4	54.3 57.5	50 0 3 57 0 0	E 7 . 7	51.0
≥ 10000 ≥ 9000		5. S. S. S	57.4 57.6		50.5	59 . 2 59 . 4	59.0	59.7	59.7	63.1 53.3	60.2 60.4	50.8 50.9	و م م	40.4 50.6	63.7	50.00
≥ 8000 ≥ 7000			61.5	52.0 57.9	63.4	62.6	53.1	63.2 64.2	63.7 64.7	63.7	63.7	63.7	64.3	¿4 . 3	5	
≥ 6000 ≥ 5000		3 · · · 1	61.9 63.0		65.0	63.9	65.7	65.9	64.5 85.5	65.3	65.4	65.1		26.6	65.4	66.9
≥ 4500 ≥ 4000		2.0	64.4	65.1		67.2	67.8		67.5	57.	68.4	67.	67.7 63.5	58.6	68.7	65.5
≥ 3500 ≥ 3000		12.5 3.5	67.3	67.5		69,7	70.2	79,3	.9.0 10.3	71.	71.	71.7	71.3	71.3	71	71.5
≥ 2500 ≥ 2000		5 • <b>2</b>	74.9		73.4	71.3	71.9	72.0 74.5	74.5	72.7		72.7	71.5	<del></del>	73 . t	75.7
≥ 1800 ≥ 1500		67.4 67.4	74.3	70.5	77,3	74.1	74.9 78.3	75.0	73.0	79.1	77.1	75.7	79.4	79.4	79.5	79.5
≥ 1200 ≥ 1000		70.9 72.5	75.5	77.4 30.5	41.6	11.5	79.7 52.0	79.9 47.8	79.9 82.4	A 3 . 5	50.7 23.6	87.7 83.6	11.9	<del></del> -	84.0	. j
≥ 900 ≥ 800		73.1	73.5	82.6	53.A	2.5	85.3	73.5 75.3	83.6 85.7	26.1	66.2	36.2		36.5	36.6	
≥ 700 ≥ 600		75.3	41.0	25.4	<del></del>	\7.	86.8	27.0	18.5		87.9	87.9	80.8	84.5		3 .
≥ 500 ≥ 400		76.6	83.3		9 " . 4	59.4 13.5	92.3	72.7	72.7	53.7		91.9	94.7	74.2	94.3	5 2 6 2 C 4 6 6
≥ 300 ≥ 200		5.4	84.	01.5		1.5	93.7	93.7	73.7 49.6	96.1	76.3	95.2	14.9	06.0	97.1	97.3
≥ 100 ≥ 0		6 • S	84.1	16.7	91.7	~2.2	94.3		93.7 45.1	76.4	97.1	97.1	99.5		98.3	94.7 100.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

#### **CEILING VERSUS VISIBILITY**

STATION STATION HAM

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) CEILING ≥ 1% ≥ 1% ≥ 1 ≥ 5/16 ≥ 5 52.7 52.9 11. 52.4 NO CEILING 61.7 98.3 ≥ 20000 61.0 (1.3) 59.4 60.1 59.4 60.2 41.4 41.E ≥ 18000 ≥ 16000 53.7 10.4 61.1 01. 57. 52.3 52. eg. 4 41.1 (1.4 51.4 61.5 67.1 62.1 62.3 62.3 55.4 59.4 61.5 61.8 01.9 62.8 63.1 63.1 52.3 57.5 62.5 62.7 62. 55.8 38.8 6".5 60.b ≥ 14000 ≥ 12000 56.7 51.4 42.1 63.7 53.7 54.0 64.5 64.1 43.1 66.3 16.6 56.6 57.1 67.3 67.1 63.3 65. 45.5 ≥ 10000 £7.0 67.7 67.5 67.7 67.7 57.9 55. 71. 71.3 63. £6.8 60.8 1.9.1 67.9 7 10 3 7 1.8 71.0 71.4 71.9 7.7 . 2 70.2 71.1 73.09 71. 72.4 71.0 <u>≥</u> 71.3 65.4 47.0 71.1 72.3 72.7 72.7 73.2 73.5 73.5 73.7 73.7 65.7 (5.4 71.6 71.7 66.7 7..5 77.7 73.1 ≥ 4500 > 4000 73.9 74.4 74.7 74.8 75.5 75.0 75.3 75.3 75.5 15.2 74.0 75.7 76.3 75.0 73.6 73.9 73.6 75.9 76.3 77.2 77.6 77.0 79.2 75.4 TO . 7 79 . 7 8 . . . 70.3 75.6 75.4 79.7 67.3 ≥ 2500 ≥ 2000 81.9 57.2 82.2 82.5 87.1 83.1 -4 . 0 77.6 77.8 50.4 40.F 52.8 83.0 73.3 93.3 17.6 63.6 85.0 75.7 86.0 86.0 30.3 60.3 91.05 82.0 42.4 52.8 83. 31.5 ≥ 1800 ≥ 1500 84.6 35.0 43.5 93.1 85.7 16.1 36.1 35.8 87. 51.5 ≥ 1200 05.9 99.2 16.2 27.4 27.0 87.9 38.6 88.9 88.9 1000 46.4 88.2 37.7 38.2 88.9 89.2 97.2 (7.5 56.5 900 800 72.9 49.4 80.0 57.1 57.4 90.1 90.4 90.4 89.8 90.3 V0.3 11.0 (1.3 (1.3 (1.7 ¥1.7 38.4 700 600 93.6 21.1 11.1 71.2 92.2 92.2 47.5 42.6 39.6 A9 . 1 91.7 35. 93.1 23.5 500 400 7.3 . 2 43.7 04.1 99.5 94.5 94.0 95. 16.5 -0.8 92.5 95.2 55.7 96.2 "G. 7 Al. 21.5 73.4 16.2 94.2 95.7 56.1 F6.5 4.8 31.1 94.8 41.8 93.9 96. 05.5 06.6 97.1 57.1 91.1 95.7 01.3 95.4 97.1 97.1 97.9 97.6 100 05.0 70-1 81-1 37.0 91.1 94.0 95.7 96.4 97.1 97.1 97.9 98.0 58.510.500 -1.3

TOTAL NUMBER OF OBSERVATIONS 20 20 20 E

MHITING FIELD, FL

73-62

JAN

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAG	E FREQUEN	CY OF TENT	HS OF TOTAL	SKY COVER				MEAN	TOTAL
MONIN	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	TENTHS OF SKY COVER	NO. OF OBS.
JAN	ag	29.4	_		15.2						12.9	42.4	5.9	À.V.
	93	25.6			16.2						14.6	43.7	5.2	301
	06	20.7			16.5						18.1	44.7	5.6	301
	0.3	13.9			19.1						21.0	46.0	7.1	30
	12	17-1			21.0						23.9	38.1	6.6	31
	15	15.2			21.6						26.5	36.8	5.7	31
	18	13.2			25.8						23.9	37.1	5.6	311
	21	25.5			17.4						15.5	39.7	5.9	31
tot	ALS	28.1	<del>*</del>		19.4	<u></u>	 				19.6	41.1	6.5	247

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WHITING FIELD, FL

73-92

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAG	E FREQUENC	Y OF TENT	HS OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS.
FES	00	31.7			17.4						14.2	36.5	5.5	28.
	23	37.5			16.7	-					13. A	39.0	5.6	28
	90	19.1			22.3						22.7	35.8	6.3	2.5
	0.9	20.6			19.5						26.2	33.7	6.3	23
	12	23.2			24 • P						24.8	30-1	6.0	29
	15	20.9			25.2						25.5	28.4	5.9	2 9
	18	18.1	-		33.1						19.1	32.6	5.9	2 9
	21	37.1			22.3						13.9	33.7	5.3	28
····														
701	ALS	23.9			22.3						20.0	33.7	5.9	225

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STATION

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MONTH

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS				PERCENTAG	E FREQUENC	CY OF TENTI	IS OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
HTMOM	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS.
MAR	00	22.9			19.3						13.9	44.2	5.2	310
	0.5	21.3	_		18.7						14.2	45.8	6.4	110
	05	12.6			18.4						23.2	45.3	7.7	310
	69	14.5			16.8						24.8	43.9	7.1	315
	12	9.7			23.5						34.5	32.3	7.0	310
	15	9.7			26.1						29.7	34.5	5.9	310
	15	11.3			22.9						29.7	36.1	7.0	31!
	21	20.6			21.6						20.3	37.4	5.2	310
														<u> </u>
101	TALS	15.3	······································		20.9						23.8	40.0	5.5	2440

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS				PERCENTAG	E FREQUEN	CY OF TENT	HS OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS.
3 PF	30	32.7			17.0						21.7	26.7	۲.2	300
	03	30.0			18.7						20.0	31.3	5.5	705
	26	16.7			22.3						26.7	34.3	6.5	300
	99	13.3			26.3					!	30.7	24.7	6.0	300
	12	14.7			26.0				l ·		34.7	24.7	5.4	300
	15	14.7			29.7						31.5	25.0	۴.02	3 7 (1
	18	15.0			29.3				1	:	29.0	25.7	6.1	300
	21	30.0			24.0						21.0	25.0	5.1	500
				-			ļ				-	+	-	
											<del> </del>	-	<del> </del>	
								-						
TO	ALS	21.6	· · · · · · · · · · · · · · · · · · ·		24.4						26.7	27.2	o	2400

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WHITING FIELD, FL

73-82

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# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAG	E FREQUEN	CY OF TENTH	IS OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL
MONIN	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	NO. O OBS.
нач	מני	26.5			33.5						15.5	23.5	4 <b>.</b> g	3.1
	03	22.9			28.7						23.2	25.2	5.5	11
	06	11.0		:	29.4					+	32.0	26.0	6.5	3.1
	36	17.1			26 . 8				-		36.4	10.4	6.0	3.3
	12	H • 1			26.1			!	1		45.5	20.3	5.0	7.3
	15	6.1			27.4						42.6	27.0	7.3	3.1
	18	17.6			29.7			-			35.2	25.2	5.6	3.1
	71	21.7			34.F						:2.6	21.6	5.2	3!
						·				!				
										!		·	· 	
				ļ <del></del>	ļļ				-		<u> </u>		· •	
	 								t	ļ <b>L</b>				
TOT	ALS	15.4			29.5					:	31.9	23.2	4.1	247

AD A150 643 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) WHITING FIELD FLORIDATU! NAVAL OCEANOGRAPHY COMMAND OFTACHMENT ASMEVILLE NC. AUG. 84 414 F/G 4/2 LANGUAGE LED M



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WHITING FIELD, FL

73-82

JUN

STATION

STATION NAME

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MONTH

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS				PERCENTAG	E FREQUEN	CY OF TENT	HS OF TOTAL	SKY COVER				MEAN	TOTAL NO. OF
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	TENTHS OF SKY COVER	OSS.
JUN	co	29.0			41.0						20.3	9.7	4.C	300
	03	27.0			41.3						20.3	11.3	4.2	300
	IJ6	11.0			39.7						40.3	10.0	5.8	300
	<b>39</b>	11.7			36.7						42.3	9.3	5.8	300
	12	2.3			29.0						60.0	8.7	7.1	300
	15	2.3			33.7						47.7	16.3	6.9	300
_	18	8.0			27.3				_		46.0	18.7	6.8	300
	21	17.0			38.3						34.7	10.0	5.3	308
											-			
tot	ALS	13.5			35.8						39.7	11.6	5.7	2400

93841

WHITING FIELD, FL

73-82

JUL

STATION

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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40.1

10.2

6.5

2479

#### MEAN TENTHS OF PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER TOTAL NO. OF OBS. HOURS (L.S.T.) MONTH 0 SKY COVER 2 12.3 5.0 309 JUL OC 13.9 47.9 25.9 22.9 9.7 4.5 310 03 16.5 50.6 310 42.6 12.6 6.3 3.5 41.3 96 42.9 14.5 6.3 310 33.2 09 9.4 26.1 7.6 310 54.8 18.4 12 . 6 15 24.5 52.6 22.9 7.8 310 47.7 7.9 30.3 310 18 1.9 20.0 31.6 24.5 310 6.4 21 5.5 38.4

35.3

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TOTALS

6.5

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WHITING FIELD, FL

73-92

AUG

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# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS				PERCENTAG	E FREQUEN	CY OF TENT	HS OF TOTAL	SKY COVER				MEAN	TOTAL NO. OF
HTMOM	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	TENTHS OF SKY COVER	OBS.
AUG	ΩŒ	24.2			41.0						25.5	9.4	4.5	310
	03	27.1			44.2						19.4	9.4	4.0	310
	86	6.1			51.3						31.6	11.0	5.5	310
	09	10.6			36.8						41.6	11.0	5.9	310
	12	1.0	-		27.4						57.1	14.5	7.4	310
	15				23.9						57.1	19.0	7.8	310
	18	2.3			20.3						54.5	22.9	7.8	310
	21	12.9			36.4						34.2	16.1	5.8	310
			. <u> </u>								1			
тот	ALS	10.5			35.2						40.1	14.2	6.1	2480

93841 WHITING FIELD, FL

73-82

SEP

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TION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAG	E FREQUENC	CY OF TENTH	IS OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
MONIN	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS.
SEP	80	27.0			36.0						22.0	15.0	4.6	301
	03	26.7			34.7						20.7	18.0	4.7	30
	776	13.3			34.7						32.3	19.7	5.9	30
	09	19.0			32.7						28.3	20.0	5.5	30
	12	5.7			28.0						48.0	18.3	7.0	30
	15	4.3			31.0						45.0	19.7	6.9	30
	16	6.7			33.0						37.7	22.7	6.6	30
	21	22.3			34.3						25.3	18.0	5.1	30
											<del> </del>			
				<del> </del> -										
101	ALS	15.6			33.1						32.4	10.9	5.8	240

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WHITING FIELD, FL

73-82

OCT

STATION

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS				PERCENTAG	E FREQUEN	CY OF TENT	HS OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS.
oct	00	50.6			22.3						13.2	13.9	3.2	310
	03	46.5			25.2						12.6	15.8	3.5	310
	06	27.1			33.2						21.3	18.4	4.8	310
	09	35.2			24.2						22.9	17.7	4.6	310
	12	21.9			37.1						24.8	16.1	۲.۵	310
	15	21.3			39.0						23.9	15.8	4.9	311
	18	25.5			39.4						21.0	14.2	4.5	310
	21	45.5			26.1						13.9	14.5	3.5	310
											ļ			
TO1	/ALS	34.2			30.8					<u></u> .	19.2	15.8	4.3	2481

WHITING FIELD, FL

73-PZ

MOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAG	E FREQUENC	Y OF TENT	IS OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL
MUNIN	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	NO. OF OBS.
NOV	00	39.3			23.3						12.7	25.7	4.4	301
-	03	36.3			21.7						15.3	26.7	4.7	30(
	06	25.0			24.3						22.7	28.0	5.6	300
	09	24.3			23.7						21.3	30.7	5.7	300
	12	18.7			27.7						30.7	23.0	5.9	300
	15	17.7			30.0						28.3	24.0	5.9	300
	18	23.7			29.7						24.3	22.3	5.3	300
	21	38.3			18.0						20.3	23.3	4.7	300
						7								
TOT	ALS	27.8			24.8						22.0	25.5	5.3	2400

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93841 WHITING FIELD, FL

73-82

DEC

STATION

STATION NAME

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS				PERCENTAG	E FREQUENC	CY OF TENT	HS OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS.
DEC	00	35.5	= .		14.5						13.2	36.6	5.3	310
	03	33.2			18.7	· ·					13.9	34.2	5.2	310
	06	24.5			25.2						16.8	33.5	5.6	310
	D9	20.0			21.0						24.2	34.8	6.3	310
	12	14.5			27.4						26.5	31.6	5.4	310
	15	14.5			24.8	`					31.0	29.7	6.5	310
	18	18.1			27.5						25.3	31.1	6.0	309
	21	31.7	-		19.7						18.8	29.8	5.3	379
								-						
											<u> </u>			
TOT	ALS	24.0			22.4						21.0	32.7	5.8	247

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WHITING FIELD. FL

73-82

ALL

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STATION I

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MONTH

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS				PERCENTAG	E FREQUEN	CY OF TENT	HS OF TOTAL	SKY COVER				MEAN	TOTAL
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	TENTHS OF SKY COVER	NO. OF OBS.
JAN	ALL	20.1			19.4						19.6	41.1	6.5	2476
FEB		23.9			22.3	-					20.0	33.7	5.9	2250
MAR		15.3			20.9						23.8	40.C	6.6	2485
APR		21.6			24.4						26.9	27.2	5.9	240
HAY		15.4			29.5						31.9	23.2	6.1	2490
JUN		13.5			35.8						39.0	11.8	5.7	2400
JUL		6.5			35.3						40.1	18.2	6.5	2479
AUG		10.5			35.2						40.1	14.2	6.1	2486
SEP		15.6			33.1						32.4	18.9	5.8	2400
oct		34.2			30.8						19.2	15.8	4.3	2+80
NOV		27.8			24.8						22.0	25.5	5.3	2400
DEC		24.0			22.4						21.0	32.7	5.8	247
TO1	TALS	19.3			27.8						28.7	25.2	5.9	2920

NOCD, Federal Building Asheville, N. C.

#### PART E

#### PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

- 1. Cumulative percentage frequency of occurrence derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperature
  - b. Daily minimum temperature
  - c. Daily mean temperature
- 2. Extreme values derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared;
  - a. Extreme maximum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.

b. Extreme minimum temperature

which may require two pages in some cases.

Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.

This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately.
  - NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

Total observations for these four items is also provided in two lines at end of each tabulation table,

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares  $(\sum X^2)$ , sums of values  $(\sum X)$ , means  $(\overline{X})$ , and standard deviations  $(\sigma x)$ . The number of observations used in the computations for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dev-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dev-point temperature and relative humidity are with respect to water, unless otherwise indicated.

- 4. Means and standard deviations These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
  - a. Dry-bulb temperature
  - b. Wet-bulb temperature
  - c. Dew-point temperature
- 5. Cumulative percentage frequency of occurrence of relative humidity This summary is derived from nourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
  - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
  - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

Fercentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years commined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

#### **DAILY TEMPERATURES**

STATION HITINE FIELD, FL

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

	TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
≥	25			-			1.5	1.	.4			<del></del>		• ~
≥ _	):		1			7.4	15.0	19.4	14.2	4.4			-	<u> </u>
2	7	1		- 1	1.5	13.5	56.3	03.0	63.7	34.4	1.8			2
2		•:		1.4	14.4	55.4	99.5	92.3	71.2	7 .1	23.1	• 3	• 1	36.8
≥	, -		1.5	11.6	49.2	44.2	77.	99.1	78.2	68.1	c2.6	1 . 7	1.6	49.5
2	7 £	7.4	11.5	34.3	74.0	95.4	29.7	100 • €	29.9	96.3	77.9	32.?	1 7	67.
≥ _	7	25.	73.7	58.4	29.9	79.	100.0		100.0	59.0	90.7	55.7	26.7	77.1
≥ _	1, 5	44.	53.9	78.2	96.5	79.9				79.8	97.1	73.0	49.9	87.8
≥	<b>(</b> 6	58.6	70.6	89.4	99.5					100.C	79.4	85.4	56.3	97.
≥	: S	72.5	82.7	95.	99.9	100.0					46.9	93.R	F1.1	93.9
≥	7	84.1	91.4	98.5	100.0						100.0	77.4	90.9	97.
≥	45	ຼ າ∂.3	96.5	99.7								79.5	97.6	98.8
≥	40	5.7		00.9								63.6	69.4	99.f
≥	35	9.3		199.0								170.0	09.9	99.9
2	3	79.6	1.0.0											7.0.0
≥ _	7.	100.										· ·	30.0	100.0
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_	MEAN	7.1.1	24.1	7.04		70.0	_	7 <b>3 •</b> 7	प्रा. प		79.2		63.5	77.3
	S. D.	10.6 1	7.457	) )	6.417				4.148			5.514	1.	130.53
	TOTAL OBS.	11	1025	115	1072	111	1100	10-6	1134	1102	1003	रगण्ड,	115	1321

### **DAILY TEMPERATURES**

C JMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

2		APR N	MAY JUN	JUL	AUG	SEP	OCT.	NOV.	DEC.	ANNUAL
2			• :	. 4	• 1	• 1				• 3
2	· ·		12.6	19.9	10.7	4.3	• 1			•
2	1.	4.1 1		90.5	29.0	55.2	5.3	• 7	• 6	27.
	2.7 7.	17.6 5	6.1 93.1	79.5	90.8	92.4	21.6	4.5	7.1	41.
2	5.9 19.	42.4 6	2.4 99.	100.0	130.0	93.8	45.2	15.1	2.4	£ 2.
2 4 7 77,2 44 2 53,8 6, 2 3 6 6, 3 7 2 7 7,7 9 2 7 7,7 9 2 15 9,3 7 2 10 72,7 10 2 15 22,7 10 2	7.1 34.		4.1 1 0.0			78.	4.0.4	26.1	15.6	61.
53.8 6.  53.6 7  53.6 7  53.7 6 7  53.7 6 7  53.8 6 7  53.8 6 7  53.8 6 7  53.8 6 7  53.8 6 7  54.8 6 7  55.8 6 7  55.8 6 7  55.8 6 7  55.8 6 7  55.8 6 7  55.8 6 7  55.8 6 7  55.8 6 7  55.8 6 7  55.8 6 7  55.8 6 7  55.8 6 7  55.8 6 7  55.8 .	0.3 50.	5 52.9 9	9.4			99.5	41.A	46.4	27.1	7.
53.* 6. 2 7 7 6. 3 11 5 7 7 7 9 1 5 7 7 7 9 1 5 7 9 7 7 9 1 5 7 9 7 7 9 1 5 7 9 7 7 9 1 5 7 9 7 7 9 1 5 7 9 7 7 9 1 5 7 9 7 7 9 1 5 7 9 7 7 9 1 5 7 9 7 7 9 1 5 7 9 7 7 9 1 5 7 9 7 7 9 1 5 7 9 7 9 7 9 7 9 7 9 7 9 7 9 7 9 7 9 7	4.5 67.	9 94.4 17	7.0			99.8	01.4	63.4	41.9	7.
2	2.8 34.	39.				179.3	C 2 . F	79.5	59.6	31.
2	7.3 95.0						9.9	91.4	77.1	2.7
2	D.2 78.	100.0					1 5.2	V3.1	6 . 2	Ç£.
2	7.5 99.	\$ · · · · · · · · · · · · · · · · · · ·						9.	07.4	c , .
2	9.7 79.				· ·	· · · · · · · · · · · · · · · · · · ·		100.0	<del>-</del> <del>7</del> <del>7</del> <del>7</del>	99.
	9.9 1 0.	<del></del>				·			29.0	C 3 *
		<del></del>							79.3	1".
		-		-			<del></del>		100.5	10
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		+				+				
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		+	<del></del>	<del></del>						
		+	<del></del>	+		<del></del>		+		
		+			<del>+</del>			+		
2 2 3		<del> </del>				<del>`</del>				
		<del>                                     </del>							<del>-</del>	
2		+			<del>-</del>					
		+	·	+	+			<del></del>	<del></del>	
MEAN 43		57.4 84	.5 77.4	72.7	72.3	27.7	57.6	49.0	***	51.5
	<u> </u>	1 ' 1	494 3.765		2.716			0.37	i	14.71
TOTAL OBS. 117 10	.6 5 .7 770 9.75							<del>-</del>		13.1

#### **DAILY TEMPERATURES**

STATION STATION PERLUP FL 45-57

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

	TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC	ANNUAL
2	2.					i	• .	• 5						• !
≥	à f			·		• 9	10.2	16.0	14.5	2.6				*.7
2	4.1				1.5	15.1	62.7	61.6	78.3	42.9	2.7			20.0
≥	76		• 1	1.5	12.4	59.	94.2	79.2	98.2	79.5	263	1.8	. 6	39.2
≥	7	u . 1	4.4	14.6	46.5	86.5	99.5	130.0	100.0	04.4	44.5	12.2	5.0	51.7
≥	5.5	13.	15.3	33.4	72.6	96.7	100.3			98.5	73.8	29.7	14.0	62.6
≥	3,8	24.	31.2	56.6	89.2	79.5	<del>        -   -   -   -  </del>			99.7	89.7	49.4	26.2	72.4
≥	~ 5	40.3	49.4	75.9	97.1	157.0	<u> </u>			100.0	97.8	69.	44.6	51.
≥	F ;	56.3	57.1	70.4	69.8		!				99.5	85.	63.6	35.6
≥	4 -	72.4	93.7	77.	100.0		•				100.0	95.3	#2.6	94.3
≥	e O	-5.4	93.2	99.3			•			-		3.62	92.9	97.6
≥	75	25.0	<del></del>	99.9		<del></del>						79.9	98.4	79
≥	3	73.	79.8			•	+					170.0	C9.7	99.8
≥	25	9.5	1 0.0	130.0			• · · · · · · · · · · · · · · · · · · ·						-9.8	99.9
	26	9.9				<b>4</b>	+ · · · - ·					·	9.9	100.0
≥	1 '	100.0		•			·						: 0.7	170.0
= ≥		+				•	• • • • • • • • • • • • • • • • • • • •	<del></del>						
		†	<del></del>		-	• -	•	•	<del></del>				<del></del>	
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		<b>.</b>			•	• -	·		<del></del>			<del></del>		
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<u></u> -		+				•	<del></del>	·	· · · · · · · · · · · · · · · · · · ·			+		
		<del>1</del>	<del></del>			·	<del> </del>		<u> </u>			<b></b>	——— <del> </del>	
<u>≥</u> ≥		<del> </del>	<del></del>				+		-		<del>_</del>		<del> </del>	
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≥		<b> </b>				<del></del>	+						<u>_</u>	
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<u>-</u>		ļ	<b></b>			· -	<del></del>					+		
≥		ļ	<b></b>				<del>                                     </del>							
≥		<b> </b>	-		·		ļi							
		<del>                                     </del>	14.1	A 12 a 5	55.017	74.9	80.4	41.7	81.6	77.9	68.6	59.1	53.4	67.7
	MEAN	1 .6 4	•457	8.186	_	i	1		2.872	4.699		8.527	7.361	130147
	S. D.	111	1024	1147	1.72		1170	17.6	11 29	1105	1025	1378	1113	-14-1
	TOTAL OBS.	H 11	1 1044	447/	1 4			1.0	4 4 2 7	( \$1) 2	10.8	1.3		

# DAILY AVERAGE/EXTREME TEMPERATURES

 141
 HITTS FIFLS, FL
 1246-1982
 JANUARY

 STATION
 STATION NAME
 YEARS
 MONTH

T	MEAN T	EMP		M	AXIMUM TE	MP				MINIMUM TE	MP	
1	AVERA	GE	AVERA	3E	EXTR	EME		AVERAC	3E	EXTR	EME	
DAY	° F	°c	°F	°c	° F	°c	DATE	°F	°c	°F	°c	DATE
1	1.	13.8	(1.1	16.2	77	25.0	1975	41.7	5.4	27	-2.5	1977
2		10.1	€0.0	15.6	78	25.6	1765	47.5	4.7	21	-6.1	1979
3_	3.3	11.8	63.5	17.5	77	25.0	1052	43.1	5.2	16	-8.9	1979
4	7.5	11.1	51.6	16.4	76	24.4	1972*	42.4	5.8	23	-5.0	1979
5	-1.?	10.7	60.8	16.0	74	23.3	195	41.6	5 • 3	24	-4.4	1976
6	1.	11.1	62.0	16.7	74	23.3	1955	41.7	5.4	25.	-3.9	1959
7	1.1	10.6	61.5	16.4	75	23.9	1965	40.8	4.9	19	-7.2	1970
8	49.5	9.9	60.1	15.6	75	23.9	1965	39.5	4.2	16	-8.9	1973
9	1.3	10.7	61.4	16.3	79	26.1	1969	41.1	5.1	17	-8.3	197
10	4 . 3	9.3	58.3	14.9	84	28.9	1949	38.7	3.7	16	-5.9	1962
11	48.9	9.4	50.5	14.7	85	29.4	1949	39.3	4.1	1:	-12.2	1987
12	4-, . 9	9.4	53.2	14.6	78	2 . 6	1960	39.6	4.2	15	-9.4	1962
13	9	9.9	50.9	14.7	79	25.6	1960	48.0	4.9	1.3	-10.6	1981
14	•	13.1	59.5	15.3	8:-	26.7	1971	45.9	4.9	20	-6.7	1964
15	1	11.1	62.1	16.7	7 8	25.6	1953	41.7	5.4	20	-6.7	1964
16	4	9.6	59.4	15.2	76	24.4	1950"	38,9	3.5	14	-10.0	19 2
17	4 - 5	9.2	58.4	14.7	78	25.6	1974	38.9	3.8	17	-8.3	1977
18	50.0	10.5	61.3	16.3	76	24.4	19740	40.6	4 . 8	17	-8.3	1748
19	1.5	10.8	50.7	15.9	74	23.3	1985	42.3	5.7	11	-11.7	1977
20	5.07	19.5	60.2	15.7	75	23.9	1980	41.6	5.3	18	-7.8	1971
21	1.5	10.8	61.3	16.3	77	25.0	1974	41.8	5.4	23	-5.0	1971
22	1.4	10.6	61.3	16.3	77	25.	1952	41.4	5 . 2	20	-6.7	1961
23	2.5	11.4	62.5	16.9	8 "	26.7	1971	42.4	5 . A	16	-8.9	1953
24	1.2	10.7	63.8	16.7	79	26.1	1971	41.6	5.3	6	-14.4	1963
25	2.6	11.4	52.7	17.1	7 2	25.6	1974	42.5	5.8	14	-17.00	1963
26	4.5	12.5	64.4	18.0	80	26.7	1977	44.7	7.1	29	-1.7	1977
27	4 . 3	12.4	64.1	17.8	77	25.0	1954	44.6	7.0	26	-3.3	1066
28	52.4	11.6	63.2	17.3	77	26.1	1974	42.3	5.7	24	-4.4	1943
29	2.5	11.4	62.9	17.2	3.0	26.7	1974	42.2	5.7	17	-8.3	1966
30	2.5	11.4	62.4	16.0	77	2 • )	1 74 *	42.6	5.9	12	-11.1	1966
31	12.1	11.1	61.1	16.2	7.3	25.6	1769	42.0	6.1	17	-6.3	1966
Monthly	1.	19.7	61.1	15.2	8.5	29.4	1949	41.4	5.2	6	-14.4	1963

ALSO ON EARLIER YEARS

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION STATION NAME YEARS MONTH

	MEAN TI	EMP		M	AXIMUM TE	MP	·T		M	IINIMUM TE	MP	
	AVERA	GE	AVERA	ĞE	EXTR	EME		AVERAG	E	EXTR	EME	
DAY	° F	°c	°F	°c	°F	°c	DATE	°F	°c	°F	°c	DATE
1	<u>`</u> ?.6	11.4	62.1	16.7	81	27.2	1975	43.2	6.2	24	-4.4	198.
2	520	11.6	61.9	15.6	61	27.2	1969	43.8	6.6	24	-4.4	1987
3	<u> </u>	13.2	6C.Z	15.7	81	27.2	1957	40.5	4.7	12	-11-1	1951
4	1.5	13.8	61.2	16.2	77	25.7	1957	41.7	5.4	18	-7.8	197
5	2.3	11.3	52.6	17.	76	24.4	1957	41.9	5.5	26	-3.3	19724
6	العما	11.6	62.8	17.1	77	25. ~	1957	42.9	6.1	26	-3.3	1978
7	انما	10.7	51.5	16.4	7.5	25.6	1957	41.	5.3		-3.3	1978
8	670	8.8	55.3	15.2	79	25.6	1969+	37.0	2.8	24	-4.4	1967
9	51.	11.D	61.5	16.4	77	25. 7	1949	41.7	5.4	?3	-5.	1971
10	3	11.3	62.6	17.0	7 =	25.6	1957	42.7	5.6	19	-7.2	1979
11	2	11.1	63.4	17.4	7 2	25.6	1976	40.7	4.8	22	-5.6	1973
12	1.6	10.9	52.2	16.2	7 7	25.6	1962	40.0	4.9	2.5	-6.7	1961
13	3.0	11.7	53.1	17.3	8.7	27.8	1962	42.9	6.1	20	-6.7	1958
14	53.	12.2	65.1	18.4	79	26.1	1976	42.7	5.9	26	-3.3	1971
15	50.7	13.7	46.5	19.2	77	25,	1949	46.9	8.3	22	-2.2	1967
16	50.1	13.4	64.9	19.3	76	24.4	1976+	47.2	6.4	26	-3.3	1963*
17	4.5	12.5	63.7	17.6	8.7	26.7	1975	45.4	7.4	23	-5.C	1918
18	5.1	12.8	65.4	18.6	79	26.1	1975	44.9	7.2	2:	-6.7	1958
19	- 3.2	12.9	64.9	18.3	79	26.1	1976	45.4	7.4	76	-3.3	1958
20	56.7	13.3	66.2	19.0	80	26.7	1967	45.7	7,7	25	-2.2	1958
21	°5.	13.3	67.0	19.4	80	26.7	1981	44.7	7.1	79	-1.7	1978"
22	53.4	12.2	64.7	17.8	79	26.1	1949	43.6	6.6	24	-4.4	1963
23	5.3	12.9	56.7	18.9	79	26.1	1980	44.6	7.0	26	-3.3	1963
24	\$4.1	13.4	66.5	19.2	70	26.1	1972	45.7	7,5	25	-2.2	1964
25	5.7	12.5	65.5	10.5	- 1	25.6	1977	44.4	6.9	2.9	-2.2	1967
26	5.2	12.9	56.0	18.9	8.0	26.7	1981"	44.5	6.9	2.3	-5.0	1967
27	57.3	14.1	68.3	20.2	61	27.2	1976	46.3	7.9	24	-4.4	1963
28	57.7	14.1	68.3	20.2	80	26.7	1976+	46.4	9.	14	-1.1	1963
29	- 1	14.5	69.1	20.6	6.3	25.3	1948	47.1	8.4	32		1964
30												
31												
Monthly	53.	12.1	69.1	17.8	83	20.3	1948	43.5	6.4	12	-11.1	1951

\*ALSO ON EARLIER YEARS

## DAILY AVERAGE/EXTREME TEMPERATURES

STATION STATION NAME YEARS MONTH

	MEAN TE	EMP		M	AXIMUM TE	MP	· · · · · · · · · · · · · · · · · · ·		М	INIMUM TE	MP	
	AVERA	GE	AVERA	GE	EXTR	EME		AVERAG	E	EXTR	EME	
DAY	°F	°c	°F	°c	°F	°c	DATE	°F	°c	°F	°c	DATE
1	56.7	13.8	67.4	19.7	8.	26.7	1972+	46.4	8.0	27	-2.8	1980
2	57.4	16.1	67.7	19.4	82	27.8	1971	47.7	3.7	21	-6.1	1982
3	57.6	14.2	67.2	19.6	79	26.1	1967=	48.1	8.9	16	-7.2	1997
4	57.6	14.2	56.7	19.4	87	26.7	1976*	48.2	9.7	26	-3.3	1960
5	57.5	14.2	66.9	19.4	51	27.7	1981	48.2	9.5	27	-2.8	1978
6	57.0	13.7	57.1	19.5	8.2	27.8	1955	46.9	8.3	?6	-3.3	196
7	56	13.8	06.1	18.9	82	27.8	1974+	47.1	8.4	3.1	6	1966
8	59.6	13.7	56.9	19.4	34	28.9	1974	46.0	7.8	29	-1.7	1982
9	57.4	14.1	68.1	27.1	8.5	29.4	1974	46.6	8.1	3.5	1.7	1982
10	59.7	15.1	76.3	21.3	84	28.9	1974+	48.1	8.9	*2	• 0	1959
11	1.2	16.2	7 . 9	21.6	86	37.0	1967	51.5	10.8	7.0	-1.1	1969
12	2 • 2	16.3	72.2	22.3	86	3.0 • 1	1967	52.2	11.2	35	1.7	1969
13	1.5	16.4	70.9	21.6	85	29.4	198	52.2	11.2	3.7	• C	1949
14	9.5	15.9	71.0	21.7	8.5	3 7	1967	50.2	17.1	3 1	-1.1	1960
15	1.1	16.3	71.8	22.1	90	32.2	1967	5 7 . 8	10.4	34	1.1	1975
16	0.1	15.7	70.6	21.4	82	27.8	1977+	50.0	17.0	36	2.2	197: 8
17	4	15.8	70.8	21.6	84	28.9	19634	50.1	10.1	36	2.2	1976+
18	10-	16.4	72.1	22.3	85	29.4	1982	50.∂	10.4	3.3	•6	1973
19	2.1	16.7	72.2	22.3	8.2	27.8	19630	52.0	11.1	35	1.7	1949
20	1.5	16.4	71.3	21.9	82	27.8	1974	51.7	10.9	*3	. 6	1956
21	1.1	16.2	70.9	21.6	83	28.3	1962	51.	10.7	10	-1.1	1965
22	17.5	15.3	71.1	21.7	8.3	28.3	1975	48.5	9.	3.5	1.7	19651
23	0.4	15.3	72.6	22.6	86	31.7	1972	48.3	9.1	31	6	196
24	61.0	16.6	72.3	22.4	8.5	29.4	1969	51.3	1 . 7	2.4	-2.2	1968
25		16.7	72.6	22.6	84	25.9	1954	51.4	1 .6	31	6	1968
26	49.6	15.3	69.3	20.7	7 2	25.6	19630	49.9	9.9	7.3	.6	19:5
27	50.0	15.5	70.7	21.5	7 7	26.1	1945	49.1	9.5	76	-3.3	1955
28	F, 2 a .3	17.1	72.7	22.6	86	30.0	1972	52.7	11.6	35	1.7	1955
29	4.6	18.1	74.5	23.6	86	30.0	1967	54.8	12.7	3 %	1.7	1955
30	- 4 . 7	18.2	75.	23.9	89	31.7	1946	54.4	12.4	₹ 5	3.3	1950
31	3.7	17.6	74.2	23.4	27	37.6	1079	53.2	11.8	7.7	2.9	1971
Monthly	40 • 2	15.7	70.4	21.3	9 7	32.2	1767	57.0	17.0	10	-7.2	1987

\*ALSO ON EARLIER YEARS

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION STATION NAME YEARS MONTH

	MEAN TE	MP		MA	XIMUM TE	MP	Ĭ		N	INIMUM TE	MP	
	AVERA	3E	AVERA	3E	EXTRE	ME		AVERAG	E	EXTRE	ME	
DAY	° F	°c	°F	°c	° F	°c	DATE	°F	°c	°F	°c	DATE
1	45.	18.8	76.2	24.6	8 -	27.9	1969*	55.5	15.1	42	5.6	1972
2	5.7	18.7	75.9	24.4	6.3	28.3	1981	>5.6	13.1	42	5.6	1977*
3	65.0	19.8	76.4	24.7	8.8	31.1	1967	55.3	12.9	3.6	3.3	1971
4	16.3	19.1	76.8	24.9	89	31.7	1967	55.8	17.2	3.3	3.3	1975
5	4.2	17.9	73.8	23.2	34	28.9	1963=	54.5	12.5	79	3.7	1973
6	. 3.5	17.6	74.6	23.7	88	31.1	1767	52.6	11.4	30	3.9	19:5
7		18.3	76.3	24.5	85	30.0	1978*	53.7	12.1	37	2.8	1971
8	6.	19.1	77.B	25.4	91	32.	1967	54.7	12.6	41	5.0	1958
9	45.	18.8	76.7	24.5	89	31.7	1965	55 • C	12.8	41	5.3	19720
10	5.4	18.6	75.7	24.3	8.6	31.1	1765	55.2	12.9	37	2.6	1973
11	6.6	19.2	77.6	25.3	89	31.7	1971 =	55.6	13.1	72	~ .sl	1973
12	67.0	19.4	77.7	25.7	8 7	31.7	1965	57.1	13.9	41	5.0	1982
13	6.4	19.1	76.5	24.7	8.8	31.1	1972=	56.2	13.4	45	7.2	1959
14	6.1	13.9	76.1	24.5	9 ^	32.2	1972	56.2	13.4	4 🤈 📗	4 . 4	1959
15	67.0	19.4	77.7	25.4	9 1	32.2	1972	56.4	13.6	41	5 • D	1950
16	6.2	19.1	77.0	25.0	96	32.2	1972	55.6	13.1	33	3.3	1962
17	6.4	19.1	77.6	25.3	93	32.7	1 055	55.3	12.7	*1	5.0	1942
18	5-04	20.2	79.0	26.1	92	33.3	1967	57.4	14.1	47	8.3	198
19	69	20.5	85.1	26.7	90	32.2	1976	57.7	14.3	42	5.6	1953
20	6 4 . 3	20.7	e6•0	26.7	9.3	32.2	1968	53.7	14.8	41	5.0	1953
21	10.2	21.2	50.4	26.9	90	32.2	19720	60.0	12.6	4.3	6.1	1913
22	73.5	21.4	8.3.6	27.0	90	32.2	1976	60.4	15.8	9.9	8.9	1953
23	70.0	21.6	81.0	27.2	94	34.4	1976	60.8	16.0	47	8.3	1959
24	70.6	21.4	79.7	26.5	8.8	31.1	1978#	61.6	16.4	49	9.4	19227
25	-c. :	21.3	79.9	26.6	89	31.7	1964	67.7	15.9	47	8.3	1974#
26	70.4	21.3	70.4	26.9	89	31.7	1970	60.4	15.8	4.6	7.5	1972
27	75.1	21.2	0 . 6	27.0	49	31.7	1964	59.7	15.4	46	7.8	1976
28	70.9	21.6	?1.2	27.3	91	32.5	1971	60.5	15.8	46	7.8	1973
29	71.02	21.9	81.3	27.4	92	23.3	1973	61.1	16.2	47	8.3	1973
30	71.6	22.5	11.7	27.6	<b>9</b> ∷	32.2	12770	61.6	16.4	50	10.0	1973"
31												
Monthly	67.8	19.9	78.2	25.7	94	34.4	1976	57.4	14.i	32	• 3	1973

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

- Ep. -

# DAILY AVERAGE/EXTREME TEMPERATURES

 - 41
 HITIMS FIELD, FL
 1985-1982
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 STATION
 STATION NAME
 YEARS
 MONTH

	MEAN TE	MP		М	AXIMUM TE	MP	· · · · · · · · · · · · · · · · · · ·		М	INIMUM TE	MP	
	AVERAC	GE	AVERA	GE	EXTR	ME		AVERAG	E	EXTR	EME	
DAY	°F	°c	°F	°c	° F	°c	DATE	°F	°c	°F	°C	DATE
1	72.4	22.4	2.4	28.	87	31.7	1954	62.5	16.9	5.2	11.1	1977*
2	7.7	22.2	1.2	27.3	89	31.7	19670	62.7	17.1	50	10.0	1963
3	1.2	21.8	81.0	27.2	89	31.7	1951	61.4	16.3	5.3	11.7	1971
4	11.0	21.7	91.5	27.5	92	33.3	1952	6 . 5	15.5	45	7.2	1971
5_	~1.1	21.7	82.2	27.7	92	33.3	1952	60.0	15.6	47	8.3	1954
6	71.8	22.1	2.2	27.0	93	33.9	197	61.3	16.3	5,7	10.0	1968
7_	75.0	22.7	93.1	29.4	9.2	33.3	197 4	62.8	17.1	49	9.4	1958
8	*4 . 0	23.3	4.1	28.9	93	33.0	1977	63.0	17.7	5.0	10.0	1967
9	* 3 . 3	22.9	£3.9	Z 9 . 8	97	33.3	1962	62.7	17.1	5 '	17.0	1960
10	2.4	22.4	2.9	28.3	9.2	33.3	1962	61.0	16.6	51	16	1961
11	72.5	22.6	82.3	27.0	93	33. ?	1762	63.0	17.2	53	11.7	1960
12	73.7	23.2	3.4	23.6	95	35.	1967 ==	64.C	17.8	4,2	8.9	1952
13	7 - 3	22.9	53.6	28.7	94	34.4	1967	63.0	17.2	96	7.8	1960
14	73.1	72.8	93.1	28.4	97	33.3	197^	63.7	17.2	5.4	12.2	19790
15	`.7.8	23.2	14.1	28.9	93	33.9	19700	63.4	17.4	5.5	12.8	1964
16	7 . A	23.2	4.2	29.0	94	34.4	1966"	63.4	17.4	6.1	10.6	1973
17	- აგ	23.€	5.5	29.7	91	32.	1972	64.1	17.8	53	11.7	1973
18	£ .	24.0	86.Q	30.0	75	35.0	1973"	64.4	18.0	5.0	10.0	1945
19	5.	24.6	86.2	37.1	96	35.6	1977*	56.2	19.0	51	1 . 6	1976
20	~5.6	24.2	F5.7	29.8	99	36.7	1962	65.5	18.6	5.5	12.8	1976
21	'6 o '.	24.4	66.1	30.1	96	35.6	197~	65.0	13.0	53	11.7	1981
22	76.3	24.9	26.9	30.5	98	36.7	1977	66.7	17.4	55	12 · B	1954
23	77.0	25.0	87.0	30.6	96	35.6	1969	67.1	19.5	5.5	12.8	1971
24	77.2	25.1	27.7	30.0	97	36.1	1969	56.6	19.2	55	12.8	1967
25	7.1	25.1	37.1	30.6	95	35.6	1953	67.1	19.5	52	11.1	1979
26	77.1	25.1	57.2	30.7	97	36.1	1970	67.0	19.4	9.5	7.2	1979
27	`7.S	25.3	7.4	30 • ≈	99	37.2	1953	67.7	19.8	4.9	9.4	1961
28	7.8	25.4	67.4	37.8	98	36.7	1967	68.3	20.2	5.2	11.1	1961
29	77.1	25.1	57.4	37.8	94	34	1767	66.7	19.3	<b>S</b> :	14.4	1961
30	7.01	25.6	27.9	31.1	99	37.7	1977	68.4	20.2	54	12.2	1971
31	77.0	25.5	98.1	31.2	36	35.6	1945	67.7	19.8	59	15.0	1971
Monthly	4.6	23.7	8.00	29.3	0.9	37.7	19770	64.5	18.1	4.5	7.2	1970

\*ALSO ON EARLIER YEARS

## DAILY AVERAGE/EXTREME TEMPERATURES

TOWN STATION NAME YEARS MONTH

	MEAN TE	MP	· · · · · · · · · · · · · · · · · · ·	N	AXIMUM TE	MP	1	<del></del>	М	INIMUM TE	MP	
	AVERA	GE	AVERA	GE	EXTR	EME		AVERAG	E	EXTRE	ME	
DAY	°F	°c	°F	°c	° F	°c	DATE	°F	°c	°F	°c	DATE
1	77.9	25.5	96.0	31.1	98	36.7	1953	67.8	19.9	<b>*5</b>	12.3	1966
2	77.4	25.2	57.7	30.9	94	34.4	1964+	67.1	19.5	56	13.3	1972
3	'7.8	25.4	88.0	31.1	95	35.0	19690	67.5	19.8	5.5	12.5	195€
4	73.4	25.8	38.9	31.6	96	35.6	198	63.0	20.0	_ F Q	15.6	1955
5	7 5	25.8	28.8	31.4	99	36.7	1972	69.3	2 . 2	5.9	15.0	1954"
6	79.5	26.1	99.0	31.7	1:74	<b>45.</b> 5	1972	69.0	27.6	6.7	15.6	1954
7	77.4	26.3	87.4	31.7	103	39.4	1972	69.4	28	6.	15.6	1997
8	7	25.3	89.3	31.2	99	37.2	1969	69.5	2 .8	61	16-1	1977*
9	3.4	26.9	20.1	32.3	100	37.8	1963	72.7	21.5	64	17.8	1976
10	.) . 3	26.8	?∵•3	32.2	93	36.7	1966*	70.6	21.4	63	17.2	199
11	70.9	25.6	89.7	32.1	95	35.5	19680	70.1	21.2	62	16.7	1983
12	40.3	26.8	9 : • 3	32.4	97	36.1	1968	70.1	21.3	<b>5</b> 0	15.D	1979
13	0.7	27.1	95	32.5	98	36.7	1952	70.9	21.6	57	13.9	1979
14	1.0	27.2	9 .9	32.7	100	37.8	1952	71.2	21.5	63	17.2	1979
15	10.5	27.0	89.9	32.2	191	34.3	1952	71.3	21.5	56	15.9	1974
16	0.5	26.9	70.2	32.3	96	35.6	19810	70.7	21.5	54	17.8	1979
17	C•0	25.7	89.9	32.2	96	35.6	1981.	77.2	21.2	52	15.7	1960
18	1	20.7	95.8	32.1	100	37.8	1970	70.4	21.3	63	17.2	1968 .
19	0.5	26.9	89.8	32.1	101	38.3	1970	71.1	21.7	53	17.2	1965
20	10.7	27.1	₹0.3	32.4	102	38,9	1970	71.1	21.7	56	18.9	1965
21	. 4	26.9	89.6	32."	99	37.2	19:4	71.1	21.7	66	18.9	1969
22	1.1	27.3	01.8	32.7	97	36.1	1969+	71.4	21.5	65	18.3	1976
23	1.1	27.3	90.3	32.4	98	36,7	1975*	71.9	22.2	63	17.2	1947
24	7.5	26.9	89.5	31.9	98	36.7	1978-	71.6	22.0	66	18.9	1974+
25	"0.7	27.1	90.1	32.3	99	37.2	1967	71.3	21.6	<u>6 )</u>	15.6	1974
26	1. T	27.4	90.7	32.6	102	33.9	1976	71.8	22.1	54	17.8	1974
27	41.1	27.3	90.6	32.6	101	38.3	1952	71.6	22.	6.2	16.7	1974
28	1.	27.5	71.5	33.1	101	39.3	1969	71.5	21.9	<u> </u>	15.6	1968
29	-1.7	27.6	91.9	33.3	103	39.4	1954	71.5	22.	6.2	16.7	1966
30	1.9	27.7	91.9	33.3	97	36.1	1947	71.9	22.2	64	17.8	1974
31		l										
Monthly	1	26.7	89.9	32.2	154		1972	70.3	21.3	55	12.8	1966"

\*ALSO ON EARLIER YEARS

# DAILY AVERAGE/EXTREME TEMPERATURES

 \*\*\*1
 HITING FIELD, FL
 1945-1980
 JULY

 STATION
 STATION NAME
 YEARS
 MONTH

	MEAN TE	MP		M	AXIMUM TE	MP	1			AINIMUM TEA	MP	
1	AVERA	GE	AVERA	GE	EXTR	EME		AVERAG	E	EXTRE	ME	
DAY	°F	°c	°F	°c	°F	°c	DATE	°F	°c	°F	°c	DATE
1	1.9	27.7	91.5	33.1	98	36.7	1952	72.3	72.4	6.5	15.3	1060
2	.5 . 3	27.4	72.7	33.4	99	37.2	1976	72.5	22.5	57	19.4	1951
3	1.5	27.5	90.8	32.7	98	36.7	1969	72.3	22.4	5 3	2 .0	1974
4	1.6	27.6	91.0	37.8	96	35.6	1973	72.1	22.3	6.9	7.00	1774
5	1.9	27.7	91.4	33.	98	36.7	1973	72.4	22.4	٤,٥	20.0	1069
6		27.8	91.3	32.7	97	36.1	1987	72.7	22.6	56	18.9	1972:
7	2.1	27.8	91.4	33.1	99	37.2	1969	72.8	22.7	6.2	16.7	1972
8	1.2	27.3	Q ( , • 4	12.4	150	37.8	1969	72.1	22.3	68	20.0	1556
9	1	27.4	70.4	32.4	99	37.2	1969	72.3	22.4	55	19.3	1966
10	*0.5	27.2	90.2	32.3	99	37.2	198	71.7	22.1	57_	19.4	1966
11	`	26.9	99.9	32.2	100	37.8	1980	71.1	21.7	6.2	16.7	1956
12	1.5	27.7	91.5	32.0	101	38.3	1980	72.4	22.4	66	18.9	1977
13	-1.8	27.7	01.9	32,7	102	35.9	1980	72.7	22.6	56	12.9	1972
14	1.4	27.4	≎5	32.5	174	40.0	1980	72.4	22.4	56	16.9	1972
15	7.1	27.8	91.3	32.	171	36.3	1980	77.0	22.8	5.1	16.1	1967
16	• 1	27.8	91.7	32.9	100	37.8	1985	73.2	22.9	6.2	16.7	1967
17	1.5	27.7	90.7	32.5	100	37.8	1960	72.8	22.7	63	70.0	1972
18	1.9	27.7	8.09	32.7	100	37.8	1981	72.9	22.7	4.5	18.3	1967
19	2.2	27.9	71.3	32.9	99	37.2	1981	73.1	22.8	69	20.6	177
20	1.4	27.4	89.9	32.2	3 6	36.7	1974	72.8	22.7	6.7	19.4	1967
21	1.2	27.3	89.5	31.7	9.8	36.7	1962 0	72.9	22.7	65	2( of	1947
22	11.6	27.7	93.7	32.6	100	37.8	1976	72.8	22.7	8,0	2 1.0	1971
23	1.7	27.6	95.6	32.6	98	36.7	19740	72.7	22.6	54	17.8	1947
24	1.7	27.6	9 . 5	32.5	104	40.3	1952	17.9	22.7	67	19.4	1963
25	1.9	27.7	70.8	32.7	99	37.2	1965"	77.0	22.	6.9	20.6	100
26	1.5	27.5	97.0	32.2	96	35.6	19674	73.	22.8	67	14.4	1963
27	1.3	27.7	9(1.3	32.4	9.8	36.7	1961*	73.2	22.0	71	21.7	198
28	1.6	27.6	30.0	32.2	5.8	36.7	1968	73.3	22.9	5.9	20.6	1970
29	#1.7	27.6	90.4	32.4	9.9	36.7	1974	73.	22.8	69	20.6	19690
30	1.2	27.3	40.9	32.2	98	36.7	1974	72.5	22.5	63	20.0	19782
31	1.2	27.3	20 <b>.0</b>	32.2	98	36.7	1962	72.5	22.5	6.5	2 .6	1670
Monthly	1.5	27.6	9 . 7	32.	104	40.0	1080*	72.6	22.6	61	16.1	1967

\*ALSO ON EARLIER YEARS

# DAILY AVERAGE/EXTREME TEMPERATURES

HITING FIELD, FL STATION STATION NAME YEARS MONTH

	MEAN T	EMP		M	AXIMUM TE	MP				MINIMUM TE	MP	
	AVERA	AGE	AVERA	GE	EXTR	EME		AVERA	GE	EXTRE	ME	
DAY	°F	°c	°F	°c	°F	°c	DATE	°F	°c	°F	°c	DATE
1	1.5	27.6	911.5	32.5	97	36.1	1970	72.6	22.4	69	20.6	1974
2	1.7	27.6	7 .8	32.7	97	36.1	1962	72.6	22.5	6.8	20.0	1971
3	1.5	27.7	¢″ • 6	32.£	97	36.1	1951	73.1	22.€	6 -	70.0	1965
4	2.0	27.8	90.9	32.7	100	37.3	1947	73.2	22.9	60	2 .6	1975
5	. 3	27.9	¢1.5	33.1	104	40.5	1947	73.1	22.8	6.8	2 .0	195
6	100	27.6	90.4	32.4	99	36.7	1970	72.5	22.7	66	18.9	1943
7	2.7	28.2	72.1	33.4	100	37. R	1956	73.4	23.	67	19.4	1945
8	2 • 2	27.9	01.2	32.	99	37.2	1968	73.2	22.9	67	15.4	1975
9	1.9	27.7	97.4	32.4	97	36.1	1968	73.2	22.0	65	18.3	1976
10	1.5	27.6	9 . 3	32.4	o g	36.7	1969	73.0	22.8	64	17.8	197€
11	1	27.4	£0.2	32.3	93	36.7	1954	72.5	22.5	64	17.8	1967
12	1.8	27.7	91.6	32.6	9.8	35.7	1954	77.0	22.8	62	16.7	1967
13	1.6	27.6	9: 4	32.4	79	37.2	1954 0	72.7	22.6	6.4	17.8	1967
14	11.5	27.5	70.6	32.5	98	36.7	1948	72.3	22.4	64	17.8	1967
15	1.2	27.3	90.4	32.4	96	35.6	1976#	72.1	22.3	6.6	18.9	1967
16	1.5	27.4	93.1	32.3	76	35.6	1976*	72.4	22.4	<b>6</b> t	23.9	1972
17	1.9	27.7	^1.0	32.0	9.8	35.7	1952	72.7	22.6	6.7	2. 0	1967
18	1.9	27.7	91.2	32.0	99	37.7	1952	72.6	22.6	6.9	2	1972
19	10-	27.4	↑ 6	32.5	98	36.7	1972	77.1	22.3	64	17.8	1976
20	1.2	27.5	2 • 5	32.5	9.8	36.7	1987		22.2	6.5	<u> </u>	1975
21	104	27.0	89.4	31.7	97	36.1	198	71.5	22.1	6.6	18.9	1956
22	10.1	26.7	87.1	31.7	99	36.7	19804	71.0	-1.7	6.2	16.7	1755
23	- C • 4	26.9	89.5	31.9	97	36.1	1955	71.4	21.9	66	16.9	1971
24	0.	26.9	89.8	32.1	9.8	36.7	1976	77.9	21.5	56	18.9	1966
_ 25	Cau	26.9	89.4	31.7	96	35.6	1763	71.4	21.9	66	18,9	1964
26		26.7	<u> - 8 . 7 </u>	31.5	95	35.6	17650	71.4	21.9	6.3	17.2	1969
27	20.5	26.9	89.8	32.1	39	37.2	1969	71.2	21.4	6.4	17.8	1969
28	, <b>,</b> A	27.1	9: •3	32.2	97	36.1	1969	71.5	21.9	64	17.8	1968
29	1.4	27.0	21.7	32.0	97	36.1	19749	71.8	22.1	50	15.6	1968
30	1.3	27.4	0.7	32.4	99	37.~	1954	77.0	22.2	60	15.6	1968
31	1.1	27.4	?∷•6	32.6	100	37.8	1964	71.9	22.2	60	15.6	1966
Monthly	1.7	27.4	37.4	32.4	104	40.0	1947	77.3	22.4	40	15.6	1968

\*ALSO ON EARLIER YEARS

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# DAILY AVERAGE/EXTREME TEMPERATURES

 TERT
 AMITING FIELD, FL
 1945-1982
 VEARS
 MONTH

 STATION
 STATION NAME
 YEARS
 MONTH

	MEAN T	EMP		N	AXIMUM TE	MP				MINIMUM TE	MP	
	AVERA	GE	AVERA	GE	EXTR			AVERAG	E	EXTR	EME	
DAY	°F	°c	_°F	°c	° F	°c	_ DATE	°F	° c	°F	°c	DATE
	• 3	27.1	6.03	32.2	96	35.6	17644	71.6	22.0	6.2	16.7	1958
2	• •	27.0	89.6	32	97	35.1	1964	71.5	21.9	6.2	16.7	1968
3	7€ . 6.	26.4	28.5	31.4	9.6	35.6	1944	78.8	21.6	/ 3	17.2	1952
4	3	25.7	99.5	31.4	96	35.6	19540	71.3	71.5	£ 3	17.2	1974
5	១.ព	70.7	F. 8 - 4	31.3	97	36.1	1981	71.7	22.1	5.3	17.2	1974
6	77.5	26.4	97.9	31.1	97	36.1	198	71.1	21.7	€ 3	17.2	1953
7	7 3 . 3	26.2	7.9	31.1	96	35.6	198' "	77.4	21.3	51	16.1	105
8	7/0-	26.4	-8.5	31.4	97	36.1	198	70.5	21.4	61	16.1	195
9	7 - 0	26.1	.7.8	31.0	97	36.1	1980+	7 3	21.3	6.3	17.2	1964
10	7	25.9	37.4	- 30 - 9	97	34.1	19800	- 69.8	21.0	54	13.3	1956
11	7 . 6	25.9	-8-1	31.2	9 -	35.0	1980	69.2	20.7	5.5	13.3	1976
12	7.04	25.8	97.0	30.6	9 5	35.7	1962	69.8	21.0	5 -	14.4	19694
13	`7.8	25.4	76.4	30.0	9.5	35.	10870	69.2	20.7	57	13.4	1969
14	7.6	25.3	46.7	37.4	96	35.6	19800	63.5	70.3	•	14.4	1971
15	7.	25.3	96.4	30.2	96	35.5	19874	63.6	2 . 3	€.5	15.6	1376
16	7.	25.2	26.0	30.0	96	35.6	1972	69.9	2	5,5	17.8	1961
17	.7.7	25.4	16.3	30.2	9.5	35.7	1972	69.1	2 .6	5.5	13.3	1001
18	7.7	25.4	16.4	30.2	97	36.1	1972	68.9	2 . 5		10.0	1041
19	7.1	25.3	-6.8	30.4	ç <b>7</b>	36.1	1972	68.2	23.1	<b>6</b> 2	6.9	1961
20	• •	2° • 6	97.6	30.9	9.9	36.7	1972	66.5	20.3	# 0	7.4	1381
21	77.5	25.3	-6.4	37.2	95	?5.0	1970	60.5	20.3	÷ 4	17.2	1991
22	6.7	24.8	85.7	29.A	94	34 . 4	1763	67 at	19.0	5.1	10.6	1982
23	16.5	24.2	RS • 2	29.6	9.5	35.	1972	65.9	18.8	51	13.6	1992
24	15.7	24.3	84.9	29.4	93	33. 7	198 "	66.5	19.2	5	11.1	1975
25	~ F . 4	24.1	25.7	29.4	9.2	33.3	108 14	65.9	19.8	51	1 .6	1975
26	11.06	24.2	44.5	29.2	95	35.	1947	66.6	19.2	4.7	9.4	1975
27	*5.3	24.1	14.0	28.9	94	34.4	1972	66.6	19.2	8.9	9.4	1975
28	14.8	23.8	4.2	29.1	3 #	34.4	1972	65.4	18.6	< 3	11.7	1975
29	**	23.3	3 a 3	27.5	ç "	35.0	1968	54.8	18.2	43	6.1	1967
30	.2.2	22.9	12.6	28.1	93	3 . 3	1969	43.9	17.7	4.2	5.6	1967
31									I		I	
Monthly	77.6	25.3	-6.6	37.3	98	35.7	1972	69.7	20.4	4.2	5.6	1967

\*ALSO ON EARLIER YEARS

## DAILY AVERAGE/EXTREME TEMPERATURES

CHITTOG FIELD. FL YEARS STATION NAME MONTH STATION

	MEAN T	EMP			AAXIMUM TE	MP	T		M	INIMUM TE	MP	
	AVERA	AGE	AVERA	AGE	EXTR	EME		AVERAG	E	EXTREME		
DAY	°F	°c	°F	°c	°F	°c	DATE	°F	° <u>c</u>	°F	°c	DATE
1	73.7	23.2	3.6	28.7	93	33.7	1668	63.5	17.7	4 (-	7.8	1972
2	74.0	23.3	4 . 4	27.1	90	32.2	1077+	63.5	17.5	4.5	7.8	1966
3	72.3	22.4	2.7	29.2	93	33.	1968	61.7	10.6	46	7.8	1974
4	71.5	22.2	72.9	29.3	91	32.5	19690	60.9	15.1	43	6.1	1974
5	7.7	22.2	2.3	27.0	92	33.3	1954	61.7	16.5	46	7.8	1974
6	71.4	22.2	-2.1	27.8	9.3	33. 7	1951	61.6	16.4	4.5	7.2	134.
7	75.7	21.5	25.4	26.9	91	32.5	1967	6:09	16.1	43	6.1	1066
8	73.4	21.3	19.7	27.1	91	32.3	1959	6 .1	15.6	44	6.7	1964
9	* <u>₽</u>	21.6	81.9	27.7	93	32.2	1968+	59.7	15.4	43	6.1	1944
10	- 1	21.2	51.1	27.3	90	.32.2	1968	59.2	15.1	40	7.8	1971
11	****	21.2	1.4	27.4	٥٦	32.2	1978+	58.8	14.0	4 (.	4.4	1971
12	` •.	21.2	2.1	27.9	9	33.3	1969	58.4	14.7	44	6.7	1971
13	77	21.5	°1.7	27.6	91	32. ?	1967	59.6	15.3	45	7.2	1977
14	45	2.3.8	20.7	27.1	97	32.2	1972*	58.2	14.6	۲2	5.6	1977
15	4 . 7	20.4	77.4	26.3	8.0	31.7	1973*	57.9	14.4	40	4.4	1576
16	5 • 5	20.3	79	26.1	8.3	51.7	1972	58.2	14.6	45	7,:	1954
17	5 5	20.3	79.3	26.3	9.	32.2	1972	57.9	14.4	42	5.6	1478
18	67.	17.9	79.0	26.1	89	31.7	1964	56.7	13.7	4.4	6.7	1977
19	6.1	13.9	76.8	24.5	86	3C • C	19790	55.3	12.9	54	6.7	1967
20	5.2	18.4	76.0	24.4	8.8	31.1	1069	54.3	12.4	ti	4 . 4	1981
21	6.3	19.1	77.6	25.3	9	32.2	1963	55.7	12.8	39	3.9	1976
22	67.1	19,5	76.2	25.7	9	32.2	1963	56.1	13.4	42	5.6	1975
23	67.7	19.8	73.3	25.7	91	32.4	1979	57.1	13.9	46	7.8	1976
24	5.7	18.7	75.6	24.2	85	29.4	1975	55.8	13.2	42	5.6	1970
25	4.0	17.8	74.4	23.6	86	30.0	1975	53.5	11.9	3:	3 - 3	1645
26	7.7	17.6	75.7	24.3	84	28.9	19734	51.9	11.	27	2.8	1965
27	4.6	18.1	76.9	24.9	8.5	27.4	1978	52.3	11.3	76	2.2	1957
28	140	17.8	74.9	23.5	3 9	31.1	1963	53.1	11.7	33	- 6	19=7
29	3.3	17.4	74.1	23.3	84	28.	1978+	57.6	11.4	37	2,8	1952
30	54	18.2	75.1	23.7	86	37.7	1772	54.6	12.6	3.8	3.3	1955
31		13.3	75.6	24.2	8.5	29.4	1061	54.4	12.4	* 3	3 • 3	1954
Monthly	5.04	70.2	79.2	26.2	93	33.7	1968	57.6	14.2	.3	.6	1957

\*ALSO ON EARLIER YEARS

# DAILY AVERAGE/EXTREME TEMPERATURES

 41
 1 HITTER FIELD. Ft
 1 745-19-2
 N F RES

 STATION
 STATION NAME
 YEARS
 MONTH

	MEAN TE	MP		М	AXIMUM TE	MP		MINIMUM TEMP					
	AVERAGE		AVERA	GE	EXTR	EME		AVERAC	SE .	EXTR	EXTREME		
DAY	° F	° c	°F	°c	° F	°c	DATE	°F	°c	°F	°c	DATE	
1	4 . 5	18.1	76.4	24.7	3.5	30.0	1050	52.4	11.6	.5.	•	1957	
2	. 4	17.4	73.0	23.3	9 +	20.9	19820	52.	11.5	7.2	• 1	1946	
3	4.1.	16.6	72.9	22.7	84	28.9	1972	50•°	17.5	24	-4.4	1966	
4	5	15.4	7 .1	21.2	9.4	28.9	1946	49.5	9.	72	-1.1	1966	
5	1	15.6	7 . 7	21.5	86	3 .0	1975	49.6	9.8	- 3	.6	1982	
6	7.5	15.2	76.5	21.4	7%	26.1	1978 -	48.3	9.1	3.5	• * \	19723	
7	• 5	15.3	75.8	21.	8.2	27. 4	1975	49.4	9.1	7.	-1.7	1953	
8_	7:07	14.5	69.9	21.1	31	27.2	1973	47.6	8.7		-1.1	1971	
9		15.7	3.4	21.3	8.2	27.8	1965	50.7	1 . 1	7	-1.1	1 - 7 -	
10	~ · · 6	15.3	7 4	21.3	41	27.0	1946	49.0	9.4	7.5	2.2	1065	
11		15.3	7 7	21.5	8.2	27.3	19750	48.3	9.1	* 3	.6	1771	
12	E 3	15.4	71.1	21.7	8.2	27.9	19:4	45.5	9.7	7.2	• €	1968	
13	50.6	15.4	67.9	21.1	1.2	27.8	1967	49.6	3.	1.0	-1.1	10EP	
14	* a • 1	1 5 . 4	7 .7	21.5	9.3	25.1	1955	40.	7.4		-1.1	1910	
15	. 6	15.3	67.8	21.	3.2	27.8	198 1	43.4	3.6	20	-3.3	106	
16	2.	15.8	71.9	22.2	8.1	27.2	19754	49.2	₹.6	*2	• 1	1963	
17	G • "	15.7	77.4	21.3	91	27.2	1968	5 .1	1 . 1	3.7	-1 · I	197	
18	. · • •	15.4	70.3	21.3	3.0	25.7	19690	49.2	9.6	27	9.2.	19-1	
19	• 5	15.3	69.9	21.1	30	26.7	1975	49.7	7.6	. 9	-1.7	1951	
20	£ 7.	34.	67.0	19.4	70	26.1	1979	47.4	9.6	7.0	-1.1	1951	
21	7 7	14.	65.2	20.1	6.1	27.2	1945	46.3	7.0	1	6	1321	
22	54.07	13.7	67	19.4	3 ^	26.7	1982	46.4	~ . "		-1.7	1971	
23	56.	13.6	16.6	19.2	7.	25.6	1967	47.1	6.4	2 7	-1.7	1976	
24	57.7	14.3	67.8	10.7	יי	27.8	1975	47.5	8.7	7 1	-5.0	19	
25	56.0	13.8	58.2	20.1	٤2	27.6	1973"	45.7	7.6	~ 2	-5.6	197	
26	57.	14.2	68.1	20.1	A 1	27.5	1973	46.0	8.2	77	-2.6	195	
27	* •5	14.7	1.6.6	20.3	A 2	27.8	1973	45.4	2.1	7 1	6	1071	
28	B _ tá	13.6	65.5	18.6	40	25.7	1972	47.0	3.3	11	6	198	
29	91.4	11.0	-1.0	16,1	30	26.7	1973	42.5	5.5	27	-2.0	1950	
30	1.1	10.7	61.4	16.3	A J	2 7 . `	1967	41.2	5.1	24	-4.4	1996	
31											1		
Monthly	<b>€</b> • B	14.9	69.4	27.9	86	30.0	10750	48.3	9.1	2.2	-5.6	147.	

\*ALSO ON EARLIER YEARS

# DAILY AVERAGE/EXTREME TEMPERATURES

HITING FIELD, FL 1745-1952 STATION STATION NAME YEARS MONTH

	MEAN TE	MP		М	AXIMUM TE	MP		MINIMUM TEMP					
	AVERA	GE	AVERAGE		EXTR	EME		AVERAGE		EXTRI	ME		
DAY	° F	°c	°F	°c	° F	°c_	DATE	°F	°c_	°F	°c	DATE	
1	2 . 4	11.3	63.8	17.7	70	26.1	1962	41.	5.~	2.5	-3.9	1979	
2	- 4 . 3	12.4	5-0	18.3	80	25, *	1982	43,4	5.6	27	-2.5	196	
3	55.1	13.4	56.5	19.2	7 .	25.11	1978	45.7	7.6	27	-2,	1979	
4	5.5	13.1	66.5	17.2	73	.5.1	1964	44.6	7.0	27	-2.b	1979	
5	C 44	12.7	66.3	18.9	8	26.7	1977	43.6	5.4	71	6	1970-	
_6	5.0	12.8	56.1	13.9	70	26.1	19670	43.9	6.6	7.7	-2.2	1745	
7	5.0	12.6	65.6	18.7	7.5	25.6	1951	44.4	6.9		-3.3	1977	
8	5.7	13.2	65.7	18.7	73	25.6	1979	45.8	7.7	2 %	-2.2	1364	
9	_ 4 - 1	12.3	54.7	19.2	9.2	27.A	1972	43.4	6.3	74	-4.4	1968	
10	2.4	11.3	62.2	16.3	83	25.3	1972	42.7	5.9	24	-4.4	1978	
11	3.3	11.6	63.6	17.6	80	26.7	1970	42.0	5.1	24	-4.4	1957	
12	3.5	12.0	63.4	17.4	5.1	27.2	1972	43.7	6.5	11	-11.7	1962	
13	3.5	11.9	52.3	17.2	85	29.4	1972	44.1	5.7	6	-14.4	1967	
14	7.4	11.3	61.	16.1	\$?	27.8	1967	43.	5.6	25	-3.9	1962	
15	1.5	10.9	E 11.7	15.7	8	26.7	1967	47.6	5.9	23	-5.0	1062	
16	1.1	10.6	68	16.	8 ~	26.7	1971	41.4	5.2	23	-5.0	19:1	
17	57.7	10.4	41.3	16.3	81	27.2	1964	47.2	4.6	21	-6.1	1972	
18	1.0	10.6	62.2	16.5	90	26.7	1967	30,8	4.3	74	-4.4	1976	
19	2.0	11.4	63.3	17.4	79	26.1	1967	41.8	5.4	12	-7.2	1961	
20	12.	11.6	62.3	17.2	76	24.4	19784	2 °	6.		-6.7	1921	
21	1 4	13.8	62.1	16.7	90	26.7	1970*	40.5	4.8	74	-4.4	1945	
22	51.7	13.9	62.9	17.1	8 ;	27.2	1948	40.7	4.5	2.7	-5.6	194	
23	2.4	11.3	63.0	17.2	83	28.3	1970	41.7	5.4	28	-2.2	1963	
24	2.3	11.3	62.	16.7	75	23.0	1974 ==	42.7	5.9	24	-4 .4	1063	
25	12.1	11.2	42.2	16.8	77	25.	1974	42.4	5.6	72	-5.6	1966	
26	10.6	10.3	60.6	15.9	76	25.6	1982	4 7	4.8	27	-2.8	19274	
27	72.1	11.2	-1.7	16.5	75	23.	1982+	42.4	5.8	25	-3.9	1977	
28	- 19 44	12.4	64.2	17.9	77	25.0	19740	44.6	7,	7.9	-1.7	198	
29	4.3	12.4	53.5	17.5	79	26.1	1974	45.1	7.3	26	-3.3	1961	
30	_ 14, 7	12.3	43.5	17.	7.3	25.6	1974	99.0	7,7	•	-1.1	1967	
31	3.5	11.9	61.3	16.6	75	25.6	1964	45.2	7.3		-2.2	100	
Monthly	73.1	11.7	63.3	17.4	8 "	29.4	1972	43.C	4.1	ı	-14.4	1962	

\*ALSO ON EARLIER YEARS

#### **EXTREME VALUES**

HAYTHIM TEMPERATURE FROM DAILY OBSERVATIONS

HITTIS FIELD, FL STATION NAME

YEARS

IN SEC DESCRETS FAHREWASTE

MONTH	JAN.	FEB.	MAR.	APR,	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4	~	<del></del>	9.3	£ 5	76	37	~4	0.4	7.5				
41	73	74	وج	97	9.7							7 =	
., -		7 4	8.3	3.6		77	• 7	174	7.6	30	7.5	7.	
4.	74							7.8	ъ¢		5.7	-:	
4.0			1.3		- 2			6.4					
_ ^ ;				9.2	ივ	20	94						
1						7.5	95	20	96	7.0			
2	ļ	J	J	ગ		1.171	1 4		89		: 1	1	
7	7:	7 +	<u>a</u> ~	84	70	3.6		\$7	94	F 7	7 7	•••	
. u	77	77	÷4	97	9 3	1 23	- 45	r a	~ 7	9.2	77	7	1.3
5	7.5	7 5	2 <b>3</b>	<u>ن</u> و	- 1	74	34	77	03	<b>5</b> ,	7.3	, h	,
5 t.	72	7.	7.3	95	92	ગ્ય	55	1.75	0.3	5 f			
- •				35	39	9.3	^t:	94	3 **	-1			
- :	ł	~ ?	76	A7	92	7.	2.8	0.44	25	8 🕆	1 1	די	
·	?3	76	76	85	5	75	7.3	0.4	43	2.	*3	75	
ં ∤	73	~4	21	36	91	5.2	૭૭	ეგ.	6.5	- 7	1 1	73	
1	69	77	3 3	35	20	3.1	3.6	٠, ن	7.7	3.5		76	
2	75	3 >	3.3	A 7	ଦ୍ୟୁ	94	€	2.0	57	9.6	7 .	7.4	
7	74	74	8.4	8 2	८ र	170	6.6	21	5.4	-5.2		7.	:
· 4 [	7 : [	6 :	30	89	76	59	9.5	170	4.7	9.4		ë !	1 -
5	79	7 5	A 3	40	3.3	25	୍ ନ	36	Q.L	07	9.7	77	
6	77	71	a 2	6.7	94	3.3	^9	ាំម	≎4	» <b>6</b>	7 7	76	<u>.</u>
67	77	3 1	9.7	9.2	28	170	₹- <b>t</b>	0.4	7.3	2]	7	3 7	- 4 ::
۷.,	76	7.0	5 4	90	76	37	39	2.8	2.5	7.3	ુ હ	76	
5.	72	6.1	25	87	77	1^2	170	3.6	∵4	3.5	4.7	* C	
- : ,	50	74	43	9.7	9,8	102		c o	75	71	٠٠	- 1	
	7.77	77	5.2	0]	- 3	उह	₹6	कृष	3.0	C.	14	<del>-</del> <del>-</del> -	7
. 2	73	9.1	3.6	9,0	54	104	77	οι	ပရွ	9.7	5.4	, r	1
	73	74		9.3	ი5	77	0.6	75	^ <b>5</b>	3.4	7.7	75	
ن	a	77	25	80	92	96	იყ	0.5	7	97	د بي	79	٠.
MEAN													
S D													
OTAL OBS.													

SMOS

### **EXTREME VALUES**

MARTHUM TEMPERATURE FROM DAILY OBSERVATIONS

STATION

WHITING FIFLD, FL STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
7.5	77	81	£3	86	95	27	96	च द	75	8.2	9.6	77	47
~6	72	8.1	74	94	90	102		36	24	89	75	74	
17	71	79	83	87	99	97	98	75	93	90	79	30	5.0
79	73	73	87	88	٥6	170	- 27	96	36	91	* 2	79	100
7.7	סי	7.3	81	37	9.8	98	98	00	93	88	73	77	3.8
	7.5	79	85	89	01	97	104	9.0	97	89	9.2	76	114
1	72	87	81	8.8	90	0.8	100	75	37	37	#(C)	72	100
2	74	77	65	82	91	97	96	94	95	86	P#	9,0	5.7
MEAN	?5 <b>.</b> 0	76.5	92.7	n7.5	95.1	07.5	97.2	96.6	94.4		11.2	F77.61	39.1
S.D.	3.327	3.589					2.503	2.377		2.516		3.283	2.351
TOTAL OBS.	930	731	997	1050	1054	1750	792	1785	1050	992	291	961	1257

SMOS

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#### **EXTREME VALUES**

MAYTMUM TEMPERATURE (FROM DAILY OBSERVATIONS)

STATION

#HITING FIELD, FL

YEARS

STATION

ANDLE DEGREES FAHRENHEIT PRASED ON LESS THAN FULL MONTHS/

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45										87		7.5	MXX ALAL
										3.0	İ	30	DAYS
9.0						9.				3.5	3.4		HER LENE
1						21				23	73		CAYS
47	76				60								MAN ALME
	20										Į j		CAAS
. [		2 4	° 1				36						MYK LIAL
		2	21				27		}		}		DAYS
u \$	85	R ?		70		3.5			3.6			73	MAK ALME
i		ייר		2		29			. 9		7.	30	DAAR
0	77		77					75	4.7	3.6	3.6	59	MAX TOP
	2.9		3.0					- 4	26	19	12 [	۲	Link
1	72	73	72	93	3.2						4.5	3.0	MTA LINE
	14.1	16	19	23	19						77	2.5	DAYS
2	77	77	€ 3		7.2			99		до		72	BEA ALBE
1	25	26	29		.7			* *		23	}	31.	2442
3							76						ATA LLAS
							7~,						0.4 A C
5.												7.6	MEX TOUR
												1 9	0242
57	78		3.0								3.	7:	PAY TEAD
	25		29		i						17	17	CAYS
5, 1	70			_									वसार प्रम
i i	23										i i		0 A Y S
7						_	715						MAY V. UP
ļ		1					17	-					DAYS
/3			79										MAX TEMP
l.	j		30		1								CAYS
`6							1.0						PAX TEMP
							•		l				DAYS
MEAN												<del> </del>	
S. D.													1
TOTAL OBS.													I

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#### **EXTREME VALUES**

MINIMUM TEMPERATURE

STATION

STATION NAME

FROM DAILY OBSERVATIONS

YEARS

AMPLE DEGREES FAHRENHEIT PRASED ON LESS THAN FULL MONTHS?

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
					-						<del> </del>		
<del></del>							<del></del>				ļ	-	
		· · · · · ·		L									
						_							
						<u> </u>							
MEAN													
S. D. TOTAL OBS.						ļ							

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#### **EXTREME VALUES**

MINIMUM TEMPERATURE (FROM DAILY OBSERVATIONS)

T ) 4 ] STATION

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HITING FIELD, FL

YEARS

WHILE DEGREES FAHRENHEIT

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4.5		7.7	43	44	13	67	69	5.7	54		- 41		
44.	28	34	4.3	46	56	İ						3%	
4.7		2.4	26	4.8		63	64	70	5.5	4.8	7.4	42	
ي ن	17							₹6	58		35	28	
4.0	)	20	34		59			6.9					
: S				37	61	63	6 9						
1						5 <b>6</b>	71	72	63	46			
/ 2				39		63	70		K3		7.2		
3	?1	71	39	41	ć ð	69		68	61	41	40	25	
4	29	75	31	49	47	54	71	69	64	3 P	25	28	
5	23	2.3	26	49	59	6.1	89	7.	67	44	27	7.	2*
56.	28	37	23	45	54	5.5	58	6.2	56	5.2	סי		
<b>5</b> 7		4 ()		41	52	68	71	6.6	58	3.3			
5-4		20	3.7	*1	49	64	5 <b>6</b>	65	59	44	1 -	<b>?</b> 5	
. 0	23	23	79	40	58	6.3	6.9	A.B	65	4.8	76	78	5.4
; <u> </u>	25	2.9	76	43	46	64	70	69	63	43	35	22	5.2
6.1	20	37	37	43	49	63	67	56	5.3	44	74	76	7
7.7	14	23	28	3 0	56	65	72	7.0	52	39	34	6	5
• 3	6	. 4	36	46	£0	62	55	66	5.7	40	31	?2	- 6
4.4	20	2.6	36	4.3	55	64	69	67	55	4 3	30	26	26
45	70	7.8	30	50	٢2	63	6.9	67	5.6	41	34	30	27
- 6	12	27	31	43	52	55	6.2	66	57		2 →	2.2	
67	30	73	39	49	55	66	41	4.2	42	42	34	30	5,
65	26	24	28	47	50	60	6.5	6.0	60	37	3 "	23	2 *
50	26	32	30	4.9	52	62	48	F 3	56	5 1	₹6	31	26
73	1.5	1.8	32	47	5.3	64		6 4	50	55	?2	27	
71	15	20		37	45	62	67	A-6	78	<b>8</b> 7	- 62	36	
٠: ا	14	24	35	41	54	56	6.2	54	5.2	4 4	3.3	21	14
* 3	.`2	2.2		3.2	51	€5	70	56	58	41	35	23	
- 4	40	24	40	4.1	54	6D	6.7	6.9	- 5	43	31	27	2 -
MEAN													
S D													
TOTAL OBS.													

**SMOS** 

### **EXTREME VALUES**

MINIM IM TEMPERATURE (FROM DAILY OBSERVATIONS)

STATION FIELD, FL

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
75	26	7.5	3.2	3.3	61	67	67	57	49	4.5	7.0	71	
7.5	2.5	26	36	46	51	61		64	56	39	24	24	
٠7	: 1	25	35	4.3	52	61	711	7 1	86	47	3.6	25	71
7.5	22	25	27	47	53_	64	6.8	Ë	6.5	45	97	74	. 2
79	16	19	34	42	45	57	69	66	58	4.7	- 3	74	15
2	27	24	19	41	5.3	62	59	65	54	3.8	₹1	27	1,
	13	3 D	38 20	45 39	53 53	65 60	47 69	7.	4.8 c 1	40 38	31 72	3.4 1.4	1
MEAN	1.3	26.5	13.1	43.2	<b>52.9</b>	62.9		66.4		47.4	31+2	25.4	18.5
S. D.	7.547			4.127		3.695			5 - 674				6.707
TOTAL OBS.	930	959	961	1050	1 05 4	1.750	992	1085	1050	961	990	363	12543

SMOS

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#### **EXTREME VALUES**

HIN HUM TEMPERATURE FROM DAILY OBSERVATIONS

STATION NAME

STATION

WHOLE DEGREES FAHRENHEIT PARTED ON LESS THAN FULL MONTHS?

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
4 .										<b>u</b> 5		24	Mic Link
												.> 9	PAYS
<b>(</b> • €			i :			71				7 J	4.2 7.6		LYAS MIM LEAD
47	20				. 5								मिर्म र्माट
"	29			1	73								CAVS
4.7		7.3	3.4			-	70						वर्ष रागम
		24	٦2				77	l [			l l		D142
,	- 1			50		4.5			50			रहा	माम रहमा
	7.0					29			₹9		3	30	CIA?
°C	38		34					- 4:	1	1.6	27	3.7	KIN ALAB
	29		30					24	26	19	12	5	D7.42
1	31	12	37	42	5 <b>5</b>						37	23 25	DAA2
- +	29	16	19 36	21	14			4.9		37		24	HALL ALME
, ,	25	26	29	ļ	77	1		₹ 7 •		20	1	37	CAYS
3	<del></del> -						<del></del>						ALM LLAS
-						-	10				}		DAYS
56													MIN . LOS
ı												19	DAYS
51	2.5		37								7.2	20	MIN LEMB
	25		7.9								13	17	DAYS
1	7.2												MAN ALAB
	28												MIN TEMP
						i			,	4 <b>3</b> 3 0			DAAR
-3-							× 6			3:			MIN TEAR
٠,							17			1			D7A2
-1			71								<del></del>		<del>  मिरुक्ष रहम</del> ह
1			28										DAYS
MEAN													
S D													
TOTAL OBS													<u> </u>

**SMOS** 

#### **EXTREME VALUES**

MINIM IM TOMPERATURE (FP 24 DAILY OBSERVATIONS)

STATION

HTTING FIELD, FL STATION NAME

45mm.

YEARS

AHILE DEGREES FAHIENHEIT VBASED ON LESS THAN FULL MONTHS/

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
- 3			33 12										UVAZ MIM AŽMŠ
-6							€ 9 " ()						OTAS DTAS
				-			ļ						<u> </u>
											-		<b>_</b>
						-						<u> </u>	<del> </del>
									<u> </u>				<del> </del>
													<b> </b>
													<b>+</b>
													<b>†</b>
MEAN		<del> </del>			ļ <u>.</u>	<b></b>	<b></b>	<u> </u>	ļ	<b></b>	ļ	ļ	<b></b>
S. D. TOTAL OBS.		<del> </del>			ļ	<u> </u>	ļ	<b></b>	<del></del>	ļ <u> </u>	ļ		<b>↓</b>

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WHITING FIELD, FL 93941 73-82 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL WET BULB TEMPERATURE DEPRESSION (F)

TOTAL

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 231 D.B./W.B. Dry Bulb | Wet Bulb | Dew Point 78/ 77 76/ 75 74/ 73 .0 • 1 25 25 721 71 36 36 737 69 20 1.0 • 1 61 61 100 54 73 68/ 67 100 1.7 667 65 • 1 1.0 . 2 • 1 . 1 112 112 •O 112 112 26 £41 63 130 103 99 527 61 2.7 1.1 • 13 130 63/ 59 1.5 . 4 •1 110 110 113 94 58/ 57 1.2 . 2 103 en • 0 56 8.6 • 1 106 56/ 55 108 13 . 3 54/ 53 . 1 1.7 1.5 . 6 . 2 127 127 93 . 1 105 52/ 51 129 129 80 50/ 49 1.1 117 117 126 45/ 47 131 98 89 131 467 45 1.6 1.3 114 114 120 6 1 44/ 43 1.0 112 112 132 77 427 41 . 4 100 100 100 1.3 . 6 122 126 126 117 99 37 1.3 • 5 110 110 122 8 2 125 120 34/ 33 102 102 130 32/ 31 85 132 100 85 33/ 29 1.3 72 72 116 111 28/ 27 50 50 191 87 25/ 25 72 92 31 . 2 31 24/ 23 20 20 57 99 72/ 21 33 8 7 • 1 15 15 23/ 19 . . 18/ 17 • 1 69 51 14/ 13 . 1 56 No. Obs Element (X) Mean No. of Hours with Temperature ≤ 32 F Dry Bulb Wet Sulb

1

PSYCHROMETRIC SUMMARY

93841 WHITING FIELD, FL PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL
D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 5 7 19 5/ 31 :/- 3 4 /- 5 6/- 7 2476 2476 2476 24 76 Mean No. of Hours with Temperature Element (X) No. Obs. 168480 68.0 20.267 121131 48.0 13.049 109385 44.2 13.016 93154 37.6 16.904 12480966 2476 ≤ 32 F ≥67 F ≥73 F ≥80 F 2476 744.0 Dry Buib 36.5 71.2 12.0 6347469 Wet Bulb 5251733 2976 166.2 22.5 744.7 4211930 3.0 302.6 2476 744.

FASFEVEDA

PAGE 1

																				HOURS	
Temp.								LB TEMP										TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	:31	D.8./W.B.	Dry Bulb	Wet Bulb	Dew Point
PI. 7 79	Ì		1			• 7	.0	1				• 1	.0	}		i		6	6		
73/ 77				ألف	1		. 1			2	1	.1		L				16	19	<u> </u>	
76/ 75			• 1	• 1	. 1	•^	• 1	. 2	• 1	•0	• 9		•3					19	19		
74/ 73		a D	. 2	2	• 2	. 4	1	.2	ם	1	.0					!		36	36		i
72/ 71		. 4	. 4	• 2	• 2	.5	. 3	l	. 1	• 3	• 2							54	54	6	1
73/ 69	0	.7	1.0	. 3	. 2	. 4	. 3	. 4	. 4	2	1							91	91	26	9
68/ 67		1.1	1.0	. 4	• 7	. 4	.1	• 3	• 3	• 3	. 1							92	92	.0	30
66/ 65	. 3	1.0	. 7	2	3	.3	. 3	. 4	.1	1								84	64	69	54
64/ 63	• 1	2.0	. 8	• 9	. 4		• 2	. 3	.1	2								118	118	78	54
62/ 61	.0	1.7	. 7	. 6	. 2	. 4	.2	. 4	. 3	_,2								106	106	82	62
507 59	• 1	1.4	1.2	. 5	. 4	. 3	. 3		• 3	•0		}	]	ļ	] ]	į		108	108	102	71
53/ 57	2	1.7	. 8	4	. 5	. 4	. 6	. 4	. 2	0								118	116	104	71
56/ 55	. 3	1.3	• 9	. 8	. 7		.7	. 4	. 1									135	135	121	91
14/ 53	. 3	1.8	1.9	, 4	. 6	• 0	. 4	• 2	• 0									146	146	96	3 3
52/ 51	- 1	1.5	1.3	. 7	. 8		.4	• 0	• 0			l		}	1 1	1		130	130	133	87
50/ 49		1.2	1.4	. 7	. 7	. 6	3	. 7										112	112	136	87
48/ 47	• 1	1.1	1.2	1.0	• 9		. 4	• 7						•				114	114	125	99
46/ 45	• C	1.3	1.1	1.0	. 9	. 4	. 3				L							113	113	124	8 6
-4/ 43		1.4	1.2	1.1	. 8	.4	. 1											112	112	157	97
42/ 41		. 9	103	1.3	. 8	. 3												104	104	119	85
437 39	• 0	. 8	1.2	• 6	• 3	• 1												69	69	126	104
33/ 37	• 1	1.1	1.6	1.1	. 7	•1									$\vdash$			106	106	117	115
367 35	• 0	1.0	1.5	- 8	• 3													79	79	120	9.5
34/ 33		. 4	1.1	• 6	-1			ļ					ļ	ļ				50	50	96	94
32 / 31	. ?	. 4	• 9	. 4				] .				ļ			]	1		43	43	91	123
30/ 29	• 0	. 4	. 9	. 3										L	<b>.</b>			38	38	71	112
25/ 27	• 2	• 5	. 7															30	33	50	103
26/ 25	. 2	-1	4					ļ					<u></u>					15	15	42	110
24/ 23	1	- 1	• 1					ľ				ŀ		}	} }	- 1		5	5	21	75
72/ 21		-1													1			3	3		56
75/ 19		• 1	1							}						i		2	2	3	46
1=/ 17				$\longrightarrow$				ļ	ļ			ļ		ļ	$\vdash$			ļ		1	49
15/ 15			ļ												1 1	{					41
14/ 13				1						Щ	щ,		L.,		لمسلم			<u> </u>		<u> </u>	24
Element (X)		Σχ2			Σχ	$-\!$	X	σ <sub>X</sub>		No. Ob	<b>18.</b>				-			h Tempero			
Rel. Hum.									+			±0 F		32 F	≥ 67 F	_ <u> </u>	73 F	≥80 F	≥ 93	F .	Total
Dry Bulb								<b></b> -					-4		-	-		<del></del>	+	<del>-  </del>	
Wet Bulb													$-\!\!+\!\!-$		ļ	-		<del> </del>	+		
Dew Point								1	- 1				1		1	1		ì	t	1	

17/11 11/9 3/7 6/5	5.625.4	5-6 7-8 9	9 - 10   11 - 12		5 - 16 17	- 18 19 - 2	21 - 22 2	• 1	5 27 - 28 29	. 30 2 31	TOTAL D.B./W.B.	Dry 8ulb 1	AGE 2 MOURS ILET TOTAL Wet Bulb Dew P
(F) 0 1 1 2 / 11 1 2 / 9 5 / 7 6 / 5			9 - 10   11 - 12	1 13 - 14 1	5 - 16 17	- 18 19 - 2	21 - 22 2		27 - 28 29	. 30   231	D.B./W.B.	2756	Wet Bulb Dew P
(F) 0 1 1 2 / 11 1 2 / 9 5 / 7 6 / 5									27 - 28   29	. 30   231	D.B./W.B.	2756	225
1 / 9	5.625.4	14.410.2	8.2 5.1	3.2	2.1 1		•3	.1			2256		225
5/ 7	5.625.4	14.410.2	8.2 5.1	3.2	2.1 1	. 8 . 1	•3	•1			2256		225
6/ 5	5.625.4	14.410.2	8.2 5.1	3.2	2.1 1		•3	•1			2256		
	5.625.4	14.410.2	8.2 5.1	3.2	2.1 1		•3	•1			2256		
TA1 2.52	5.625.4	14.410.2	8.2 5.1	3.8	2.1 1	. 9	•3	• 1			2256		
											2256		7256
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								i					
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											<u>.</u>	<u> </u>	
	Σχ²	Σχ	X	σ <sub>X</sub>		o. Obs.			<del></del>		rith Tempera		
	1047009	159847	66.9	20.64		2256	50 F	≤ 32 F	≥ 67 F	≥73 F	≥80 F	≥93 F	
		117616		12.26		2256	l	40.5	94.1		•	91	677
Wet Bulb Dew Point	6460341 5186583	117515 105027	46.6			2256	<del></del>	83.1	21.4			,	672

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V7341 AHITING FIELD, FL 13-82 MAR BONTH
STATION STATION NAME

DAGE 1

PACE 1 TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL
D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 75/ 85 • 1 :4/ 93 •0 F27 81 . 1 17 17 1 79 27 27 74/ 77 . 1 • 2 52 52 76/ 75 72 72 10 74/ 73 105 105 727 71 1.0 136 136 79/ 69 165 41 1.7 165 • 1 1 36 130 631 67 186 1.8 1.0 196 196 132 F67 65 1.7 2.4 . 6 . 8 . 2 . 3 186 186 164 54/ 63 1 3.1 1.2 627 61 186 186 196 145 179 179 200 150 40/ 59 537 57 2.3 1.0 145 148 192 171 • 6 56/ 55 140 170 140 169 1.6 119 158 130 119 747 53 1.1 1.1 727 51 114 114 137 98 50/ 49 83 8 3 159 114 • 1 .6 1.2 . 4 .2 48/ 47 144 103 127 69 69 105 45/ 45 • 3 • 6 122 44/ 43 54 64 83 . 6 40 96 . 6 91 3 a 2 9 40/ 39 6.2 35/ 37 68 102 367 35 99 25 77 34/ 33 9 13/ 31 • 0 • 0 4 • 1 76/ 27 25/ 25 24/ 23 27 72/ 21 2 237 19 X Mean No. of Hours with Temperature Element (X) ≤ 32 F Ref. Hum. Dry Bulb Wet Bulb **Dew Point** 

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# PSYCHROMETRIC SUMMARY

STATION	<u>#17</u>	<u> </u>	<u>u F1</u>	<u> </u>	FL TATION HAN	r C					<u>- 92</u>			71	ARS				PAGE HOURS	MTH
Temp.							WET BL	LB TEMPE	RATURE	DEPRESS	SION (F)						TOTAL		TOTAL	ILS T
(F)	0	1 · 2	3 · 4	5 - 6	7 - 8							21 - 22	23 - 24	25 - 26	27 - 28 29 -	30 = 31	D.B. 'W.B.	Dry Bulb		Dew F
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Element (X)		$\Sigma_{X}^{2}$		_	ΣX		X	σ <sub>χ</sub>		No. Ob	<del></del>				Mean No. o					
Rei. Hum.		1779			70744			27.46		24		± 0 F	2	32 F	≥ 67 F	≥73 F	≥80 F	≥ 93		Total
Dry Bulb			9724		49916			10.57		24				5.7		85.2	12.9	1		744
Wet Bulb			2194		34882		. 4	0.06		24				11.1	82.8	7,0		<del></del>		744
Dew Point		631	4261	1	<u>20907</u>	7 4 4	1 . 5	13.00	151	24	<u>80  </u>			30.2	44.9	2.4		1		744.

STATION STATION NAME TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL D.B./W.B. Dry Bulb 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 21/ 82 287 87 • 1 . 1 947 B3 43 43. 227 81 • 2 • 2 • 3 • 5 • 0 44 119 119 737 77 112 112 • 5 . 4 159 159 . 6 174 174 .1 1.06 186 20€ 60 69 1.2 2.3 1.2 1.0 206 152 . 5 • 6 176 199 49 53/ 67 176 .1 1.7 176 207 461 65 175 175 243 447 63 421 A1 2.6 1.4 • 8 • ? . 1 170 170 243 457 59 222. 136 136 -/ -7 102 122 196 159 157 157 557 55 110. 110 107. 53 156 147 •? 64 • l • 8 4 7 • 2 4 2 105 129 . 4 4-/ 47 36 44/ 47 32 62/ 41 57 57 37 7/ / 35 2-1 33 12/ 31 25/ 27 25 24/ 23 Mean No. of Hours with Temperature Element (X) Dry Bulb Wet Bulb

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							WET BU	LB TEMPE	PATIDE	DEPRES	ION (E)									TOTAL	
Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8							21 . 22	23 . 2	1 25 - 26	27 - 28 29	2 . 30 3	:31	TOTAL D.B./W.B.	Dry Bulb	Wet Bulb	Dew Pai
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Element (X)		$\Sigma_{X^2}$			Σx	<del></del>	X	$\sigma_{x}$		No. Ob	. 1			Щ-	Mean No	of Hou	rs with	Tempera	ture		
Rel. Hum.			3 79 5		5795	7 1		20.50	6 1	24	-	±01		≤ 32 F	≥67 F	:73		≥80 F	: 93	F	Total
Dry Bulb			3994		6707		6.7			24			_		379.5	-+	$\rightarrow$	59.			720.
Wet Bulb			1812		4107		9.1	7.69		24			_		134.7	_	3		1		770.
Dew Point			1643		2773		3.2	0.4		24				28.5	+				+	-	720.

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																				HOURS	LST)
Temp.								LB TEMPE										TOTAL		TOTAL	
(F)	0_	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
28/ 97												•0						1	1		
96/ 95											• ?			l	.0			2	2	<u> </u>	<u>.</u>
94/ 93								• 0		• 1	• 1			• 1				8	8		
927 91								0	. 2	.2	. 3	. )		L			!	30	20		Ĺ
907 89					•0			• 1	.6	. 5	. 3	.1	•0	ĺ			[	4.3	43	[	
-8/ 87					1	1	. 4	. 4	1.0	. 5	.2	. 2	.3					78	78		
£67 85			'		•0	•2	.6	. 9	.8	.4	.4	•2	• 3	}	• 10		l	91	91		
14/ 83				1	. 2	1.2	1.2	1.0	6	4	3	5	-1	L				137	137	ļ	
÷27 81				. 4	. 4	1.1	1.5	1.0	. 7	. 4	• 3	• 1	.0					157	157	1	ĺ
23/ 79		ن و	. 4	. 6	1.2	2.1	1.1	. 7	_ 5	.5	. 4	-1	.0	L	$\longrightarrow$			191	191	4	2
73/ 77		• 1	- 9	1.0	1.9	1.3	1.0	. 4	• 5	•2	. ?				1 1			192	182	15	
76/ 75		7	1.5	1.2	1.2		. 8	. 4	3	.2	.2			<u> </u>	<b></b>		ļ	193	193	62	0
74/ 73		1.2	2.7	1.7	. 9	• 5	.4	• 3	. 2	- 1								198	198	202	45
72/ 71	2	2.3	3.4	1.8	. 7	. 6	. 4		2	<u> </u>	_ <u>.</u> c			<u> </u>			<u> </u>	235	235	265	116
70/ 69	• 1	2.5	4.2	1.2	• 6	. 4	• 2	• 2	• 1	ĺ							[	235	235	367	190
68/ 67	. 4	1.5	4.7	1.1	. 4	. 4	. 2	• 1		• C			<u>_</u>		-			207	207	347	277
66/ 65	• 1	2.1	2.9	1.0	. 6	• 3	• 0	• 0		ì							1	176	176	307	344
44/ 63	• 2	1.1	1.9	• 6	. 4	•2											ļ	110	110	274	308
42/ 61	• 2	• 9	1.2	- 9	• 6	• 1	_	_}		j							Ì	96	96	209	261
40/ 59		• 4	1.0	. 7	• 3	•^	• 0	• 0		ļ				ļ	<b> </b>			54	64	197	202
SA/ 57	i	• 1	• 5	• 4	• 2	_									ì			30	30	117	169
55/ 55		• 1	• 3	- 3		- • 3					<u> </u>			<del> </del>			<u> </u>	19	19	76	115
54/ 53		• 0	• 1	• 1	• 0													6	6	46	102
52/ 51											<del> </del>			ļ <u>.</u>	<del>  </del> -			<del>                                     </del>	<u> </u>	24	90
57/ 49				• 0											li			1	1	11	76
40/ 45													——	<del></del>						4	57
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44/ 43															├──┼			<del> </del>			22
42/ 41	1									ĺ				į į				)	ļ	j	2
38/ 37														<del> </del>	<del>+</del>		<u> </u>	<del> </del>		<del> </del>	4
36/ 35																				1	•
34/ 33					+			<del></del>						<del>                                     </del>					L		1
32/ 31			1																		2
Element (X)		Σχ²			Σχ	$\neg \neg$	X	$\sigma_{x}$	$\neg$	No. Ol		<b></b>			Mean P	to. of t	lours wi	th Tempera	ture		
Rel. Hum.					<del></del>	$\dashv$	-		$\neg$			± 0 F	<b>-</b>	≤ 32 F	≥67 F	$\overline{}$	73 F	≥80 F	± 93	F	Total
Dry Bulb						$\dashv$			_				$\neg +$			$\dashv$		<del>                                     </del>	1-7	1	
Wet Bulb						$\dashv$							$\neg$		<del></del>	_		<del>                                     </del>	T		
Dew Point						$\top$			$\neg$										$\top$		
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97841 WHITING FIELD, FL 73-82 MAY
STATION STATION NAME VEARS BOATH
PAGE 2

																			HOURS	EL S Y >
Temp.					,			LB TEMPE				,					TOTAL		TOTAL	
(F)	0															- 30 ≥ 31	D.B./W.B.		Wet Bulb	
TOTAL	1.1	13.2	25.1	13.1	10.2	9.3	7.9	5.9	5.7	3.7	2.7	1.4	• 5	-1	• 1		2430	2480	2480	2480
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Element (X)		$\Sigma_{X^2}$	L		Σx	<del></del>	X	σ <sub>x</sub>		No. Ob			· · · · ·	L	Mana Na	of Hours w	ith Tamma-	thurs.		
Rei. Hum.	<del>                                     </del>		9101	<del>                                     </del>	7011	-		18.4	-	24		± 0 F	٠ .	32 F	267 F	. 57 HOURS W	±80 F	≥ 93		Total
Dry Bulb	<del> </del>		9199		8248					24		- 0 1	-+-			390.3	<del></del>			744.
Wet Builb	<del> </del>		1855		<u>6352</u>		<del>J • D</del>	5.6	-	24			$\dashv$			85.2				744.
Dew Point	<del>                                     </del>							3.0	-				-+							
	<u> </u>	- 4 P	2722		5226	ولن	1.4	7.3		24	1				147404	33.9	4			749.0

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## **PSYCHROMETRIC SUMMARY**

							WET BU	B TEMP	ED A TILDE	DEDDES	SION (E)							I			(E S T )
Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10						21 - 22	23 - 2	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	Dry Bulb	TOTAL Wet Bulb	Dew Poir
99/ 97									•0		• 0		<u> </u>					2	2		
C6/ 95						!	i	- 1	.1	. 5	.2	.2	. 1	. 1				29	29	İ	
94/ 93								• ?	. 4		1	. 4	• 1		.0			53	5 3		
92/ 91							.3	. 8	1.2	1.1	. 8	. 9					İ	111	111		]
97/ 89						• 2	1.0	1.2	1.0	1.1	. 5	• 3	. 1	1			Ī	132	132		
58/ 87				• C		?	1.9	1.5	1.1	.3	. 3	-1	نما	U			<u> </u>	154	154		
967 85		]	• 0	•0	1.2	2.7	2.1	1.5	. 7	. 3	• 2	.2	- 1					215	215		
E4/ 83				_ 5	1.4	2.3	1.0	. 4	. 4	.3	.3	-1		1	<b> </b>			163	163	1	
527 81		• 0	• 2	• 9	1.5	1.3	1.0	• 5	- 1	.3	e 1	• 0					!	142	142	7	!
50/ 79	0	3	1.4	1.8	1.4	66	. 3	. 3	. 2		- 0	L	L	ļ			L	147	147	45	
79/ 77		1.6			1.0	• 5	. 4	• 2	• 1						1			230	230	164	_
76/ 75	_ •1	2.9		2.6	_ • 7	2	2				<u> </u>			-	<del> </del>		<u> </u>	273	273	366	
74/ 73	• 1				. 4	•5	• 2	• ີ									i	265	265	489	1
72/ 71	5			- 9	- 3	•2	-1				<b> </b>	ļ	<u> </u>	+	++		<b>-</b>	224	224	434	+
70/ 69	• 3			• 4	• 3		• 1	• ^				ĺ	ĺ	1	1 1		l	143	143	1	i
62/67	- 1	• 7		. 4	- 3	- 2	• 0					ļ		<del> </del>	<del> +</del>		ļ	61	61	210	
6/ 65	• ?	- 3		_		• 1		i .			1							33	33		,
44/ 63	•1		- 1	• 2	- 2	-1					<del> </del>			+	<del> +</del>			15	15	75	160
62 / 61				• 1	• 1												i	5	5	45	1
63/ <b>59</b> 55/ <b>57</b>		<del> </del>			•C						-			+	<del> </del>			- *		23	+
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4/ 53			†								<b></b>			<del>                                     </del>	<del> </del>		-	1		4	31
52/ 51											i	•			1					•	2
50/ 49				-							-	<b></b>		1	1						1
48/ 47											1			1	1 1		-				i
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CTAL	1.3	14.2	22.4	12.3	9•2	10.2	8.5	6.6	5.3	4.3	3.1	1.7	.6	• 3	•0			2308	2399	2398	2391
Element (X)		$\Sigma_{\chi^2}$			Σχ		X	σ <sub>X</sub>		No. O								th Tempera			
Rel. Hum.			3164		6753		9,9	18.0		23		± 0 F		≤ 32 F	≥67 F		:73 F	≥80 F	≥ 93		Total
Dry Buib			9848		9014		9.3	7.6		23				• 3				324.			720.1
Wet Bulb			7342		7111		1.4	4 . 3		23			$\perp$		627.						720.
Dew Point	_	1099	1995	1.0	6176	5 6	7.5	5.7	62	23	98		ı		982.	8 1	70.2	1 1.9	5 [		720.0

93841 WHITING FIELD, FL 73+82 JUL STATION HAME YEARS BONTH

PASE 1

Temp.										DEPRESS							TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24 2	25 - 26	27 - 28 21	7 - 30 ≥ 31	D.B./W.B.	Dry Buib	Wet Bulb	Dew Po
E4/103												• 0		1			1	1		
02/101												أدم						2		
70/ 99											• 1	•2	•0				7	7		
98/ 97				]						. 2	3	-1					14	19		i
56/ 95								. ?	, 4	• 9	.7	.0	• 0				56	56		
74/ 93				<u> </u>		9			1.3	1.3	. 2						27	87		L
22/ 91				i –		•1	.6	1.7	1.4	. 5	. 1	. 1				1	102	102		
93/ 89				-2	.0	• ?	2.5	2.1	, A	.1		1					161	161		
28/ 87				• 1	. 3	1.6	2.9	. 4	• 3			į				i	140	140	i I	1
26/ 85			• 0	.2	2.5	3.8	1.1	. 2	.1			1	1				194	194	1	1
F4/ 83			• 0	. 7		1.5	.6	• 1				- :				- !	136	136	2	i
52/ 31		. 0	1.1	2.5		. 4	•0								<u> </u>		147	147	25	<del>+</del>
57/ 79		• 5	3.5	2.7	2.1	•2						1	1	• 0	ļ (		222	222	115	1
73/ 77	• 1					-1						·	+		·		299	299	418	<del></del>
76/ 75	• 2		7.6	1.6	• 1		{			!	i					į	+ 403			
741 73	8	6.9	4.4		+			, 		·			i		ļi.		315	315	678	<del></del>
72/ 71	• 3	1		_	•n		l	1		:		:					1 1 4 0		. 441	1
75/ 69	. 3		. 4	<b> </b>			!						+		++		39	3.0	221	
63/ 67		• 2			1		ĺ			ĺ		i			1		4	•	51	!
66/ 65		ļ		<del> </del>			ļ	ļ							<del> </del>			L	?	7
64/ 63								ļ				:			ļ.		1			2
52/ 61				<b></b>	-					_		<del></del>			<del>;</del>		- <del>-</del>		·	
51/ 57				[	[ 1		ĺ	ĺ		ĺ		-	- 1							
56/ 55													+		<del></del>	<del>-</del>	+		, <u></u>	<del> </del>
23/ 27									. •		اء ,	أي		_	. !			25.70		247
CTAL	1.7	21.5	24.5	11.7	3.9	8.7	7.7	4.5	4.5	3 . 1	102	- 5	-1	<u>. 0</u>	<del>  +</del>		1 74 70	2479	3430	+
{			[			ĺ	1	ĺ				1	1		( i	1	2479	:	2479	ř
							<del></del>								<del>  </del>		+	<del></del>	<u> </u>	<del>  -</del>
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-																			]	1
		ļ		<del> </del>	<del> </del>			<del></del>							<del>!                                    </del>		+	<del>-</del>		+
												- 1					1			
Element (X)		Σχ <sup>2</sup>		<del>                                     </del>	Σx	<u> </u>	X	σ <sub>x</sub>	Ή-	No. Ol	)s.				Mean N	o. of Hours w	ith Tempero	ture		<del></del>
Rei. Hum.		1470	0076	1	8687	0 7		15.7	35	24	${-}$	± 0 F	= 3	12 F	≐67 F	≥73 #	≥80 F	: 93	F	Total
Dry Bulb		1524			9991		0.6	6.9		24			1			686.1	+		-+ $-$	744.
Wet Bulb		1354			8377		4.1	2.4		24			1			327.5				744
Dew Point		1263			7686		1.3	2. 9		24			+-	_		372.				744.

							144-5 514				1011 (5)										
Temp.					<del></del>					DEPRESS			-	7	7		1	TOTAL		TOTAL	1
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20		23 - 24	25 - 26	27 - 28	29 - 30	231	D.8./W.8.	Dry Bulb	Wet Bulb	Dew Po
28/ 97		1					[	ĺ	ĺ	1		•3	ľ	l	1 1		i	1	1	ł	ļ
96/ 95						L	L	2.0	2	2	2	1					J	15	15	<u> </u>	<u> </u>
54/ 93				) .		)	•0	. 6	.6	. 7	• 3	• 1		1				53	53	ì	ļ
92/ 91				l	.2		.6	1.7	1.5	. 4	.0			<u> </u>			<u> </u>	108	108		<u> </u>
90 / 89				[ -		•5	1.9	1.9	. 4	. 3	. 1		l		1 1		1	126	126	1	
-8/ 87	_			. 2	. 6	2.5	2.2	. 5	_ 5	. 2	. 2			L	ll			169	169		
16/ 85				• 2	2.9	3.7	.7	• 3	.1					i				197	197		
24/ 83			. 2	1.5	3.0		. 4	_ •1	0	.1			L	L			l	160	160	3	
7. / 81		. 1	• 9	3.4	1.4	• 5	•1	• ^	. n					1			Ī	162	162	6	1
(3/ 79		. 5	2.7	2.7	1.0		. 2	ł	1						1. 1			185		106	
70/ 77	• ^	2.7			. 3				;									226	226		
76/ 75	. 2	1		1 1 1	.2		•								1 1			368	388		:
74/ 73		10.0		.5		•1	<b></b>					i — —		1			1	301	391		
73/ 71	_ 8		1.4		. 1	1	1	l						1	1			195			
71/ 69		1.9	.9			1							,	1	1		1	82			
52/ 67	• ,	. 2	ją.	1	••	,		ĺ						1				16	16	74	
16/ 65		.0															<del>                                     </del>	6	6	+	
64/ 63			••	i .		Ì	l	ì	ł			}		1				)		12	33
:2/ 61									-	1					1		1			2	
60/ 59				}		j		i	ļ	1				]				ļ		1	18
50/ 57					<u> </u>		<b></b>		<del>                                     </del>			-	<del> </del> -	<del> </del>	1		<del>                                     </del>	<del> </del>		1	11
557 55				[	ĺ	1	1	i	ĺ			!			1 1				}		
-4/ 53					<del> </del>	<del> </del>	<del>                                     </del>			<del> </del>			-	†	1		1	-			1
TOTAL 3	2.5	22.0	27.6	12.0	0.4	8.0	4 - 1	5.2	7. 7	1.9	.6	. 3			1		1	· ·	2480		2483
	( )	9.7	200	200	7.00	9.07	9	201	202	407		• •		+	1		<del> </del>	2480	2400	2489	
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				ļ													-	ļ			
								-						<del> </del>							
Element (X)		Σχ2			Σχ	<u> </u>	×	σ <sub>χ</sub>	<u> </u>	No. Ob	)s.	L		<u> </u>	Mean	No. of	Hours wi	th Tempera	iture	L	
Rel. Hum.		1557	4325		9293	2 7		15.3	63	24	-	50 F		≤ 32 F	≥ 67 €		≥73 F	≥ 80 F	293	F	Total
Dry Bulb		1579			9723		9.5	6.6		24			1		742			323.	20	.7	744.
Wet Bulb		1352			8299		3.5	3.1		24			_				94.7				744.
Dew Point			5487		7676		1.3	3.2		24			-+		<del></del>		97.8				744.0

NAVWEASERVCOM

4

WHITING FIELD, FL

PAGE 1

<del></del>							MATE 511	LO TELE		D.F.D.D.F.	104 (5)						1			(LST)
Temp. (f)				-				LB TEMP				22 251	T		27 - 28 29 -	20/ >2:	TOTAL D.B./W.B.	0	TOTAL	-
		1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16		_	$\overline{}$	23 - 24 25	- 26	27 - 28 29 -	30 231		_ <del></del> -	Met Build	Dew P
26/ 95		ì	i i		1		ł	• "	{	- 1	• 2	• 1			1		10	10		}
94/ 93		<b></b>	<b> </b>					<del> </del>	- 2	. 3	1	•2	-2				18	15		
92/ 91						• 0		• *	. 7	• 2	• 2	• 1				İ	42	42		ļ
73/ 99		↓				2		1.8	lel	_ 3	-1				<del> </del>		102	102		
287 <b>87</b>				• (7	• 2	• 9	2.0	. 6	• 5	•0	• 1	• 7	ì				134	104		
6/ 85		<b> </b>		1	1.0	1.2	-6	. 6	. 4	. 3	2	1			<del>                                     </del>		123	123		<u></u>
94/ 83		1	• 1	• 9	1.9	1.6	.6	• 2	• 3	• 2	•0		İ				139	139		
9// B1		1	. 3	2.2	1.5	• 3	.8	. 2	-2	-1	. 1				<del>   </del>		152	162	6	
79 /	• 9	. 3	1.3	2.3	1.4	• 5	• 3	. 2	• 1	• 2			i			1	173	173	27	
73/ 77		1.5	3.3	1.6	1.1	• 5	. 5	. 3	1	1							215	216	176	
76/ 75	• 3	4.7	3.9	1.3	. 8	• 3	• 2		- 1	• 0			į			İ	284	284	376	1
74/ 73	6	7.3	4.2	1.3	• 3	5	• 5	L							<b></b>		352	352	438	3
77 71	• 5	5.9	2.3	.7	• 5	• 2	- 1	• 2	• 3								250	250	431	•
70/ 69	3	2.3	1.4	1.0	. 3	-1	• C	• 1	.0								133	133	318	•
55/ 67	• 5	.5	1.4	. 8	. 4	• 2	• 1	1				1	-			- [	82	62	159	2
6/ 65	0	6	1.2	. 3	1	2		<del> </del>							↓		59	59	105	_1
4/ 63		. 4	.7	• 5	• ?	• 1	ĺ								i		44	4 4	105	1
2/ 61		. 6	- 4	. 3	-1										L		37	37	77	. 1
07 59		. 3	- 5	• 2	• 0			)							1	†	23	23	5 4	
59/ 57		2	. 2	1	• D		ļ	<u> </u>	ļ		L						13	13	42	
54/ 55		.1	• 3	- 1											1		10	10	35	1
4/ 53		-1	.2					ļ							<u> </u>		7	7	17	<u> </u>
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50/49		.1	• 2				ļ	<u> </u>	ļ		ļ				<u> </u>		6	6	12	
48/ 47							ŀ	1					- 1			j			ં ઇ	i
6/ 45		<b></b>					<b> </b>		ļ				_		<u> </u>		<u> </u>			<u> </u>
4/ 43			1 1						1			1			1	İ	<u>'</u> !			i
2/41		<b></b>					<del> </del>	<u> </u>											L	<u> </u>
10/ 39		1					Į	}	ļ		}		}							1
39/ 37		L						ļ <u> </u>											<del></del>	-
TAL	2.1	25.5	22.5	13.8	10.0	8.3	6.1	4.3	3.8	1.7	• 9	• 5	• ၁		1	1		2400		23
																	2399	<del></del> -	2399	
lement (X)		Σχ²	l		Σχ		X	σ <sub>x</sub>		No. Ot						of Hours wi				
Rel. Hum.			0277		8171			16.1		23		: 0 F	: 32	1 F	≥ 67 F	≥73 F	280 F	≥ 93		Total
Dry Bulb			2309		8 734		6.4	7.8		74						517.5				720
Wet Bulb			8565		6893		0.4	5 R	49	_23						307.0		2		720
Dew Point		1110	8.02.6	1	6167	6 6	7.4	6.7	8 4	23	99		l		490.4	217.0		<u> </u>		720

97341 BHITING FIELD. FL 73-92 TEARS WEARS DAGE 1

PAGE 1

									<del> </del>									,		(LST)
Temp. (F)					r					DEPRES			1		11-		TOTAL		TOTAL	<del></del>
	0	1 - 2	3 - 4	5 · 6	7 - 18	9 - 10	11 - 12	13 - 14			19 - 20	-+	23 - 24	25 - 26	27 - 28	29 - 30 ≥		Dry Bulb	Wet Build	Dew Por
97/ 89									•0	• 1		• 1					6	6		
58/ 87						• 1		• 1	-2	-1	• 2	- 0			-		17			Ļ
26/ 85					• 0	•2	• 1	• 5	• 7	• 2	• 1	• 1		_	• 0		49			
24/ 83				-1	-1	. 4	-1	. 4	. 4	• 5	. 3	-1	_41	• 5			62			<u> </u>
62/ 81			• 1	• 2	- 3	• 2		• 5		• 3	• 1	• 2	• 1				69	1 - 1		
21/79		• 1	• 3	3	-3	. 8	,7	• 6		• 3	- 5	• 0	.0		1		111	111	2	L
74/ 77		•∶	• 3	• 6	• 9	•6		• 7	. 2	• 2	• 3						114	114	9	1
75/ 75		. 5	. 6	- 3	. 8	- 9	. 8	. 4	. 4	5	. 4	• 2					158		26	
74/ 77	• 1	1	• 8	٠ ٩	. 7	• 8		. 4			• 2	• 0	- 1				162	4	63	1
72/ 71	• 1	1.7	1.5	1.0	8	5		• 6	. 2	. 4	•1	-			-		181	181	109	5
707 69	• 0	1.3	1.9	1.2	. 7	•4		• 2	. 4	• 2	•0	• 0					177		177	1
63/ 67	2	1.8	1.5	. 9	7	5	-7	. 2	-3	2	<u> </u>						175		180	
16/ 65	• 1	1 1	1.3		• 9		l	. 4									178		231	1
647 63	1	2.4	1.7	1.0	- 6	7		2	-1								189		212	
12/ 61	• 11	ι ι	1.5	1.2	1.0	• 8		• 2	(			1	1			į	172		193	
507 59		1.1	1.2	1.1	. 4	. 7		<u> </u>	ļ								123		217	
53/ 57	• ٦	1 !	1.0		. 6	• 7	1			1		İ	l			1	124	124	180	I .
55/ 55	-	. 5	9	- 9	- 6	3	ļ	-3		<del> </del>					<del>                                     </del>		93	8.3	179	144
4/ 53		• 3	1.1	1.2	• 5			1	1			į	ĺ				76		154	1
F2/ 51		- 3	1.3	1.1	. 4			<u> </u>									79	+	128	11
53/ 49		• 6	1.2	• 9	• 0	• ີ											69		110	
46/ 47		. 4	• ?	- 5					-							<del></del>	30	30	112	13.
46/ 43		• 2	• R	• 2				!					- 1				19		54	
42/41		• 6	• 6						<del></del>			<del></del>			-	<del>+</del>	11		41	
45/ 39		. 1	. 1	• 1			1	İ	1	· '		)	1		1		3		17	ì
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34/ 33		<del> </del>					<del>                                     </del>					+				<del>-</del>	+	<b></b>		2
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77/ 29	•	<del>                                     </del>											$\dashv$					$\vdash$		<u> </u>
25/ 27		1																		
24/ 23		├				-									<del>                                     </del>		<del></del>	† <u>-</u>		
22/ 21																				
Element (X)	-	$\frac{1}{\Sigma_X^2}$			Σχ	Т-	X	σ <sub>x</sub>	$\overline{}$	No. Ot	8.				Mean F	lo. of Hour	with Tempera	ture		
Rel. Hum.						$\neg \vdash$						± 0 F		32 F	≥ 67 F	=73	F ≥80 F	≥93	F	Total
Dry Bulb						$\neg \top$					İ		1							
Wet Bulb									<u> </u>							1	1			
Dew Point						$\neg$							1						$\top$	

STATION STATION HAVE 73-92 VEARS GOTT

WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 .717.021.716.217.5 9.6 7.0 5.5 4.8 3.5 2.3 .8 TOTAL • 2 2480 No. Obs. Element (X) Mean No. of Hours with Temperature 166170 67.0 18.907 165213 66.6 17.090 147364 59.4 8.494 133933 54.0 10.482 12020304 Rel. Hum. 267 F ≥73 F 2450 Dry Bulb 11258601 384.3 224.4 744.0 2483 76.2 Wet Sulb 8935372 2480 169.8 30.0 744.2 7505483

97541 WHITING FIELD, FL 73-92 NOV
STATION STATION NAME

73-92

VEARS

PASE 1

ROUGE (1.5.7)

WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 Wet Bulb Dew Point 26/ 85 1 1 F4/ 87 P2/ 81 • 2 14 14 431 79 39 39 757 77 • 3 38 38. • 3 • 2 • 2 • 2 66 76/ 75 66 74/ 73 104 • 1 104 26 5 .0 . 1 • 2 12/ 71 113 23 1.0 135 57 69 1.7 69/ 67 167 87 167 106 .2 2.7 .5 . 5 167 65 . 8 • 3 170 170 172 107 1.4 . 1 199 1.10 144 147 64/ 63 .2 2.5 133 +27 61 169 169 142 135 135 119 507 59 147 113 F3/ 57 137 145 1.5 1.3 • 8 . 1 137 105 55/ 55 1.5 1.6 130 130 14/ 53 • 2 122 122 129 1.2 • 1 1.1 134 521 51 2.0 134 149 117 507 49 1.5 106 106 135 120 . 8 1 . 6 156 105 99 99 44/ 47 92 44/ 45 1.0 1.0 1.0 • 0 92 136 105 . 6 128 49 49 107 44/ 43 55 55 42/ 41 1.1 100 86 99 #47 3P 55 55 87 39 39 76 69 22/ 37 • 3 • 3 1.3 64 8.2 31 / 35 1.1 46 46 34/ 33 . 4 10 10 59 . 3 327 31 1 4 39 104 14 307 29 15 106 • 1 35 57 To/ 25 . 2 4 4 3 36 22 24/ 23 22/ 21 13 Element (X) ≥73 F Rel. Hum. 10 F 1 32 F : 93 F Dry Bulb Wet Buib

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## PSYCHROMETRIC SUMMARY

STATION	WH :	<u>FIN</u>	5 FI	EL M	در					73-	- 9.2				EARS					NC.	V NTH
274104				•										·						PASE	
<del></del>							WET BU	IB TEMO	EDATIOE	DEPRESSI	ON (E)							T		TOTAL	
Temp. (F)	0	1 - 2	3 - 4	5 · 6	7 - 8	9 - 10				17 · 18		21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	231	TOTAL D.B. W.B.	Dry Bulb	Wet Bulb	Dew Po
12/ 17																		-			1
15/ 15					<u> </u>			<u> </u>		L		Li			L					1	<u>.</u>
1-/ 13				i			i		1	1 ;				1	. 1		1				ı
CTAL	1.5	26.3	25.3	14.9	9.7	7.2	5.3	4.1	3.2	1.0	2	. 3		Ĺ			L	!	2420		245
														1				2400		: 2400	
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Element (X)		Σχ²		<u> </u>	Σχ	_+	<u> </u>	σ <sub>x</sub>		No. Obs						_		th Tempera			•
Rel. Hum.			2515		6759			19.3		245		± 0 F	<b>→</b> :	32 F	≥ 67 1		≥73 F	≥80 F	2 93		Total
Dry Bulb Wet Bulb			5378 4346		4173 2757		8.8	10.2		240	$\overline{}$		+	6 • 3 19 • 2	203		78.9		<del>''</del>		720.
Dew Point		5 - C	<u>9059</u>	1	2/5/ 1454		3 • <u>2</u> 7 • 7	3.5		240				30.e			6.6		+		720. 720.
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																				HOURS	(1.5 )
Temp.				*			WET BU	LB TEMPI	RATURE	DEPRES	SION (F)							TOTAL		TOTAL	
(F)	0	1 - 2	3 · 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	) ≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Poir
50/ 79					• 1	•										_	i	3	3		
75/ 77		i		. 1	1		İ				İ							7	7		
75/ 75			•	- 4	• ?		• 1											20	20		
74/ 73	ĺ	- 3	9	4	. 2			ĺ		1		•a		1	i			5.0	50	1	
72/ 71		. 5	. 3	• 3	• 2		•2	• ~	• 1	•0			-					61	61	17	
797.69		. 6	. 8	. 7	3	2	.2	.,	i	1	^				1		i	62	6.2	-	,
531 57	• ?	1.4	1.1	. 3	• ^		•2	• ?	٠٠	•2								97	97	51	
55/ 55		1.4	7	4	. 1	.2			. 2	.2	• ^						1	97	97	80	1
4/ 67	• 1	1.7	. 9	, A	. 3		.1	• 3	. 4	•2								128	128	9.2	
-2/ 61	פ	1.3	â	9	4	,	. 3	2	4	. 2				ĺ			Ì	124	124	83	i
-:/ 59	• 0	1.6	. 6	. A	• 5	Τ'	. 3	. 4	. ?						1			112	112	79	
5./ 57		1.7	1.0		. 6	l _	3										Ì	129	129	108	_
55/ 55	•	1.3		7	• 3		.4	. 2	• 2					<b>—</b>			+	114	114	106	+
4/ 53		1.8	1.5		.6	۱	. 3	. 4	• 0	1	ļ		1				1	161			
12/ 51		1.4	1.4	. 8	. 9		• 2	. 2				-		1			<u> </u>	135	135	124	+
17/49		1.3	1.6			1	3	. 2		ļ							1	146	140	133	1
447		2.1	1.4	. 8	. 3	T	7			-							<del> </del>	138	138	154	+
40/ 45		3.2	1.5	1.2	1.3	. 4		j		ļ			j			]		143	143		
44/43		1.1	1.9			<del>+</del>								1			1	147	147	158	
42/ 41		. 6	ا ہا	1.2	, 4		-			1					1		1	110	110	130	1
47/ 39		. 6	1.7	1.2	. 9	• ?	1		-				i			-	+	111			
33/ 37		. 9		7	. 5	}	l			ł	! !				1	t	!	65	85	145	1
30/ 35		1.0	1.3		• 3		!								1		1	91	91	127	
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7 / 29		. 7	1.7	. 2		1	ĺ			ĺ	ĺ		[	1	i	}	1	50	5.0	ר פ	139
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24/23		• 1	• 1			<del>                                     </del>	1						-	<del> </del>	!	!	<del>,                                      </del>	E,	5	18	<del></del>
2/ 21	i		1			1											1	3	4	5	54
7"/ 17		•0	-			1	<b>†</b> –									T		1	1	4	
13/ 17	1									1							1	1	_	2	5
19/15						†	1							1		<del>+</del>	1	1			4 4
14/ 13	!	j					İ					i									24
Element (X)		$\Sigma_{X}^{2}$			x		X	σ <sub>x</sub>		No. O	38.				Mean	No. of	Hours w	ith Yempera	ture		
Rel. Hum.						$\top$						± 0 F		≤ 32 F	≥ 67	F	≥73 F	≥80 F	≐ 93	F	Total
Dry Bulb							-		$\neg$									İ			
Wet Bulb				· -				Ī										T			
Dew Point									_ †		-				1			1	+	1-	

NAVWEASERVCOM

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STATION STATION NAME

### **PSYCHROMETRIC SUMMARY**

≥73 F

24.0

43.2 43.1

74.6 37.2

≥80 F

≥ 93 F

744.7

744.

No. Obs.

163986 68.2 18.651

127473 51.4 11.094

114943 46.4 11.791

2479

2470

2473

NAVWEASERVCOM

Element (X)

Dry Bulb

Wet Bulb

12385608

6913841

5676101 4553297

STATION	<u> , H</u>		6 F :	ELI.	F L TATION NA	# E				_73	<del>-</del> ৭ূ		<del>_</del>	YE	A PS						
																				HOURS	
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(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20 2	1 - 22 2	3 - 24	25 - 26	27 - 28	29 - 30	≥31	D.8./W.8.	Dry Bulb	Wet Bulb	Dew P
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17/ 97,						<u> </u>		<b></b>	.0	• 2	.0	0		$\rightarrow$			<del> </del>	19	18	<b>.</b>	
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77 / 71	• ?	7.1	1.7	. 7	. 4	. 7	• 7			• 1	• 1	• `		1				1821	1321	2339	25
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16/ 65	. 1	1.3	1.2	• 5	. 3	• 3	• 2	• 2	• 1	• 1	•5						<b></b>	1237	1287	1545	16
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42/ 41	• :	• 3	• 5		• ?	• 1	• 3	L	-								ļ	425	425	631	6.
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Rel. Hum.								<u> </u>				± 0 F		32 F	≥ 67 1	-	:73 F	≥80 F	≐ 93	F	Total
Dry Bulb				L				L										<b></b>	<del>_</del>		

VWFASFBVC

STATION STATION MANE 73-52 VEARS MONTH

PAGE 2

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Element (X)		$\Sigma_{X^2}$	Щ.,		Σx	<del>└ ,                                   </del>	₹	σ <sub>x</sub>	┺-	<u> </u>	Obs.	لې		L	<u>i</u>	<u> </u>	No of W		th Temperat		Ĺ <u> </u>	
Rel. Hum.	1	-x -443	1650	2.,	4985	<u> </u>		19.7			204		± 0 F		5 32 F	2 67 1		73 F	≥ 80 F	≥ 93		Total
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Dry Bulb		3479			3543			14.5			208	$\rightarrow$							577.			760.
Wet Bulb		1749			5142			13.6			206		<del></del>			2849			44.4			<u>760.</u>
Dew Point		7636	7 E 1 7	1 4	0937	7 1 6 1	5.1	n 4 n			236		•	~ ~ ~					8.1			762

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### MEANS AND STANDARD DEVIATIONS

TRY-TULE TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

43941	العوارا	TING F	TELD:	£ 1			73-	<b>#</b> 2						
STATION				TATION NAME		··· · — <del></del>				YEARS		<del></del>	<del></del>	
HRS.(L.S.T.)		JAN.	FEB.	: MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ANNUAL
	MEAN	45.5	N7.6	56.5	61.2	67.8	73.5	75.8	74.7	71.9	61.3	54.2	47.7	61.5
	\$. D.			9.176								10.028	11.459	13.36
	TOTAL OBS	100				313								365
	MEAN	44.1	45.9	54.3	59.2	65.9	71.9	74.3	73.2	70.3	59.1	52.5	46.1	59.8
~ •	\$. D.							2-461	2.349	5.374	8.101	0.577	2.049	13.69
	TOTAL OBS	3.00									310	300	310	365
	MEAN	43.C	44.6	53.2	58.4	66.5	72.8	74.9	73.3	69.8	57.8	51.4	45.3	50.7
	5. D.	11.309	11.637	10.725	7.651	5.15A	3.616	7.497	2.369	5.56?	8.575	11.179	12.421	14.40
	TOTAL OBS	1.9				310		310			310	300		365
	MEAN	47.4	51.3	61.0	69.3	77.0	83.0	94.5	83.0	78.9	68.6	59.6	50.7	67.9
,	5. D.	12.091	10.988	9.036	6.929	5.491	6.088	4.407	3.716	5.856	7.467	9.181	10.726	15.34
	TOTAL OBS	3.29	282	I .	t I									365
	MEAN		59.6		75.3		88.1	A8.5	87.6	84.4	76.0		58.0	74.3
1	5. D.	1 232	11.379	8.910	6.944	5.822	4.684	6.330	4.752	6.416	7.343	9.188	9.995	14.24
	TOTAL OBS	סונו					300							365
Ĺ		l	İ						<u></u>					
ł	MEAN	57.1	61.7	69.8	75.7	81.6	86.6	86.7	86.3	93.7	76.8	63.0	60.3	74.5
ì	S. D.	11.346	10.600	8.095	6.233	5.804	6.210	6.717	5.621	6.326	5.608	6.523	9.222	13.38
	TOTAL OBS	310	232	310	300	310	300	310	310	300	310	306	310	365
		<u> </u>			ļ									
	MEAN		55.5		70.5	76.9			81.4				53.3	68.9
i	S. D.	11.034	7.489	7.391	5.343	4.586	4.88C	5.233	4 .484	5.176			9.515	13.25
	TOTAL OBS	210	282	310	330	310	300	313	310		310	300	379	345
		L	L									<u> </u>		
	MEAN		50.5	58.8		7^.9		77.9		73.9		56.4	49.5	63.9
٠,1	S. D.	11.562	9.776	7.985	5.630	4.034						9.412	10.444	13.04
	TOTAL OBS	310	292	310	300	310	300	310	313	300	310	300	309	365
		<b> </b>	<u> </u>	L										ļ <u>-</u> -
ALL	MEAN	46.9	52.1	60 . 5	66.7	73.6	79.3		79.5		66.6		51.4	66.3
HOURS	S. D.	13.050	12.261	10.576	9.299	8.071	7.607	6.933	6.617	7.807	10.091	# 1 · 32 4	11.995	14.05
į	TOTAL OBS	3674	7284	3487	2470	76.40	7100	2479	2	2400	2480	2 400	2478	29201

## MEANS AND STANDARD DEVIATIONS

WET- ULB TEMPERATURES DEG F FROM HOUPLY DESERVATIONS

3541

WHITING FIELD, FL

73-82

STATION			5	TATION NAME						YEARS			<del></del>	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	MEAN	42.4	44.3	52.4	57.2	67.5	69.6	72.5	77.1	65.9	57.2	50.9	44.2	58.7
13.5	S. D.	13.054	11.395	10.095	7.616	5.423	4.090	2.313	2.471	5.606	8.468	10.796	11.991	13.775
	TOTAL OBS	3.79	232	313	300	315	300	309		299	310	700	310	3645
		<b></b>	<del> </del>		ļ	<b></b>	ļ	ļ <u>.                                  </u>	<del> </del>					
	MEAN	41.3	1		55.5	62.7			71.1	67.8	55.7	40.6	43.1	56.9
2.1	\$. D.							)	2.598	1			12.355	14.109
	TOTAL OBS	3.79	282	310	300	310	300	310	313	300	310	300	310	3651
	MEAN	40.3	42.0	50.4	55.4	67.3	69.7	72.3	71.3	67.4	54.7	48.7	42.3	56.6
	S. D.	10			-		i	1	h .			11.633		14.697
	TOTAL OBS	309	1		3.00	1					-		310	3650
			~ ~ ~ ~	3.44								100		3636
	MEAN	43.5	46.5	55.2	67.6	67.8	73.4	76.1	75.8	72.0	60.9	54.0	46.3	61.1
5.4	S. D.	13.016	11.578	9.768	7.394	5.180	3.703	2.348	2.436	5.571	7.902		11.531	14.179
	TOTAL OBS	3.29	282	310	300	310	299	312	310	300	310	300	310	3655
	ļ													
	MEAN	47.7	57.3	57.4	62.2	68.5	73.6	76.3	76.3	73.0	63.2	57.4	50.5	63.1
1 -	S. D.	12.231	10.729	8.717	6.724	4.779	3.778	2.378	2.211	5.073	7.047	9.603	10.552	12.642
	TOTAL OBS	710	252	310	100	310	300	310	310	300	310	300	310	3652
	MEAN									ļ		<del></del>		
	S. D.	48.6	51.4			66.5			75.9			57.6	51.1	63.3
ì	TOTAL OBS		10.256						F			-	10.003	
	TOTAL OBS	318	252	310	320	310	300	310	310	300	310	300	319	3652
	MEAN	46.0	48.7	56.3	60.7	67.3	72.2	74.0	74.7	71.6	61.4	54.9	48.0	61.4
<b>1</b> 9	S. D.												10.711	
	TOTAL OBS	310							310					3651
														<u></u>
	MEAN	43.6	46.2	54.3	58.8	65.5	70.6	73.4	73.2	69.9	56.8	52.4	45.6	59.4
7.1	S. D.	12.471	10.549	9.176	6.927	4.925	3.875	2.130	2.506	5.394	7.901	10.415	11.279	13.290
	TOTAL OBS	310	282	310	130	310	300	310	310	300	310	300	379	3651
	MEAN	-												
ALL	S. D.	44.2	46.6	54.4	59.1	65.9		74.1			59.4		46.4	60.0
HOURS	TOTAL OBS											10.054		13.674
	. OTAL OBS	<u> </u>	2256	2489	2450	ZMAD	2391	2979	7980	2399	Z980	2 400	Z978	29206

## MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

97341 WHITING FIELD. FL

73-82

PIATRON			•	TATION NAME						YEARS				
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	MEAN	37.6	39.8	49.7	53.8	61.4	67.4	71.1	70.9	67.2	53.9	47.3	39.4	55.7
~ <b>7</b>	\$. D.	16.381	14.068	12.658	9.727	6.796	5.345	2.614	2.982	6.676	10.351	12.862	4.577	15.748
	TOTAL OBS	3.79	1-		1						310			3649
	MEAN	36.7	39.1	48.1	53.0	60.6	66.9	70.5	70-1	66.0	52.9	96.3	· 50.~	54.2
. , इ	S. D.											-	14.713	16.171
	TOTAL OBS	3.79			300								315	
	MEAN	35 a f	38.4	47.3	52.8	61.3	68.0	71.2	70.0	6661	52.1	45.7	38.4 "	54.~
	S. D.													16.545
·	TOTAL OBS	309	282	313	300	310	299	313	113	370	310	320	,	
	MEAN	37.9	<b>4</b> ∩.4	49.6	54.2	62.5	68.7	72.6	72.8	68.5	95.1			56.
35	S. D.												14.842	
	TOTAL OBS		292		350						317		. 116	
	MEAN	10.3	10 0	49 7	62.2	67.8	66.7	71 - 2	71 6	47.4				55.1
1	S. D.													16.450
	TOTAL OBS	310											310	
		ļ												
	MEAN	30.0	40.2	48.6	52.3	50.8	66.8	71.1	71.4	67.3	53.8	44.0	40.6	55.5
1 .	\$. D.	17.795	15.314	3 3 4 3 3	11.354	8 . 236	6.510	4.033	3.69	7.046	13.979	14.453	15.858	16.549
	TOTAL OBS	310	2:2	310	300		300	310	313	300	313	300	310	3652
	MEAN	38.6	40.7	49.5	53.1	61.6	67.4	71.6	71.8	68.3	55.5	40.3	41.6	55.0
1 .	\$. D.	15.606	14.295	12.837	10.552	7.543	6.012	2.999	3.272	6.261	9.997	13.151	B4.447	15.848
	TOTAL OBS	310	292	310	300	310	300	310	310	300	310	300	309	3651
	MEAN	34.1	41.0	9.0	54.3	62.3	67.7	71.5	71.5	67.7	54.8	48.3	40.4	55.7
7.1	S. D.	16.349	13.575	12.326	9.665	6.780	5.308	2.389	3.064	6.406	9.966	12.961	14.241	15.743
	TOTAL OBS	313	292	310	300	310	330	310	310	300	310	300	309	3651
ALL	MEAN	37.6	40.0	45.8	53.2	61.4	67.5	71.3	71.3	67.4	54.0	47.7	40.7	55.1
HOURS	S. D.	16.904	14.540	13.009	10.466	7.371	5.763	2.953	3.243	6.784	17.483	3.576	4 . 8 9 1	16.235
	TOTAL OBS										2480			29276

## **RELATIVE HUMIDITY**

77841	WHITING	FIELD, FL	
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73-62

JAN

STATION STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										TOTAL NO. OF
	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	OBS.
121	. ^	100.0	100.0	100.7	97.1	90.0	76.7	64.4	45.6	17.9	75.0	309
	: ,	100.7	130.0	99.7	98 - 1	90.a	53.0	67.6	47.9	16.2	76 . 4	300
	0.	100.0	100.0	100.0	98.1	91.5	81.9	68.6	51.5	16.8	75.7	309
	e <b>3</b>	100.0	100.0	99.7	93.0	81.2	7:1.6	55.3	78.2	13.3	71.0	370
	1.2	107.7	98.7	86.1	70.3	57.7	43.9	29.7	14.5	7.9	56.3	31,
	1 °	100.0	94.5	a1.0	64.5	51.3	41.6	26.8	19.1	1.3	53.3	311
	1 5	100.0	99.7	97.1	56.1	69.7	56.8	41.7	28.1	5.5	64.2	310
	.1	100.0	100.0	99.7	94.2	54.8	71.5	57.1	78.7	15.6	71.6	310
<u>-</u>												
								ļ				
101	ALS	198.7	79.1	95.4	47.6	17.1	65.8	51.4	35.5	17.1	68.1	247

### RELATIVE HUMIDITY

PARMI - PRITING FIELD, FL

73-52

FFA

STATION

STATION NAME

PERIOD

MONTH

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS		PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									
MONIH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	NO, OF OBS.
E F C		וס•ר 10	100.0	100.0	78.9	93 • 6	91.2	64.5	42.6	12.4	75.5	292
	. 1	100.0	100.0	1 35 • 5	^9 • 3	95.4	86.5	72.0	51.4	14.2	78.0	282
	7.6	190.0	100.0	160.0	19.3	96.5	91.1	74.5	53.5	17.0	79.4	5 . 5
	. +	197.0	100.0	39.h	c3.3	79.4	63.5	48.6	77.1	11.3	68.5	2 * 2
	1 ,	199.9	28.2	93.0	63.5	44.7	31.6	23.4	13.5	7.5	51.9	282
	1 r	100.0	76.1	75.9	57.4	43.0	31.6	22.0	12.9	.7	49.5	282
	15	183.0	106.0	94.7	P3.0	65.6	48.9	35.5	22.3	3.0	60.9	282
	21	100.0	100.0	100.0	97.2	87.9	72.3	55.7	35.1	10.3	71.4	752
											:	! <del></del> -
											+	
101	'ALS	152.7	79.3	94.2	76.5	75.R	63.3	49.5	32.7	9.2	66.9	2256

### RELATIVE HUMIDITY

93841 WHITING FIELD, FL

73-A2

44

STATION

STATION NAME

PERIOD

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										TOTAL NO OF
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS
N. A. S.	7,0	100.0	100.0	99.7	98.7	93.5	82.6	71.6	51.9	15.5	77.8	310
	5,*	100.0	100.0	100.0	99.4	95.5	96.6	78.7	67.6	16.8	80.4	313
	ns.	100.0	100.0	100.0	100.0	56.5	95.3	79.0	63.2	21.9	81.3	317
	~ 9	100.9	100.0	99.0	71.6	79.7	67.1	52.3	31.9	5. 9	65.4	310
	1.7	100.0	98.4	64.2	58.4	51.€	36.8	22.9	11.0	2.9	53.4	<b>31</b> 0
	1 *	130.0	97.4	80.0	66.3	51.0	35.6	25.5	17.9	1.0	£5.5	310
	1.	100.7	99.4	94.3	11.9	70.6	57.7	41.3	25.5	4.6	63.1	310
	2.2	102.0	100.0	100.7	76.9	86.5	75.2	54.5	48.7	7.7	73.6	310
				<del>                                     </del>					<u> </u>			
101	TALS	100.7	34.4	94.7	48 • D	75.1	67.0	54.5	38.7	9.9	58.8	2480

OCEANAV-SMOS

(

### RELATIVE HUMIDITY

-- 41 - AMITING FIELD, FL

77-87

1 P 3

IOM STATION NAME

MONTI

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										TOTAL NO. OF
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	OBS.
វគ្ឍ	. *.	137.0	100.0	100.0	19.7	96.3	86.3	70.0	51.7	12.0	77.6	300
	۴ ز.	100.0	100.0	100.0	1 ~0 • 0	98.7	93.0	80.3	59.3	10.0	80.8	308
	1	135.0	100.0	100.0	49.3	98.7	93.7	93.3	66.0	17.0	AZ.4	300
	್ರೇ	100.0	100.0	99.0	86.3	73.7	49.7	35.3	15.7	3.3	61.6	310
	17	100.0	97.7	79.3	57.0	42.7	22.3	15.0	7.3	5.0	47.9	310
	15	100.0	26.3	77.3	56.3	39.7	25.0	16.3	7.0	2.0	47.7	370
	1.,	100.0	79.7	92.7	78.0	60.7	42.7	28.7	14.3	3.7	57.2	370
	2.1	190.0	170.0	100.0	97.7	90.0	73.7	54.3	35.7	5.0	71.3	מרג
101	ALS	100.0	79.2	93.5	04.5	74.4	60.8	47.9	32.1	8.1	65.8	2400

### **RELATIVE HUMIDITY**

STATION	STATION NAME	PERIOD	MONTH
93841	WHITING FIELD, FL	73-32	TFAY

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										TOTAL NO. OF
MONIH		10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OB\$
" A Y	ĢÐ	100.0	100.0	100.0	100.0	99.7	94.8	86.5	51.9	7.4	PQ-5	310
	3.4	100.5	100.0	150.5	100.0	79.7	96.5	90.0	73.5	14.5	83.5	310
	26	100.0	100.0	100.0	100.0	29.7	98.4	A9.7	71.9	16.5	83.7	310
	ນ <sup>ຄ</sup>	130.0	100.0	99,7	92.6	83.2	53.9	25.2	10.0	1.9	62.2	317
`	1,	100.0	100.0	90.3	74.8	42.9	21.9	17.5	7.1	7.3	\$1.0	310
	1,	100.0	79.4	90.0	72.9	47.7	24 · A	13.2	7.7	1.9	51.4	310
	1.5	100.0	100.0	99.1	89.G	75.2	53.5	26.8	13.2	1.6	61.3	310
	21	100.0	100.0	100.7	98.7	96.5	P7.7	69.4	36.8	٠.2	75.1	310
	<u> </u>	<del> </del>									· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
TOT	ALS	100.0	79.9	97.3	-1.0	30.5	66.4	51.7	35.3	5.4	68.6	2450

## RELATIVE HUMIDITY

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS		PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									
	( <b>L.S.T</b> .)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	NO. OF OBS
	. 4	100.0	1:10.0	100.0	1.0.0	79.7	26.3	88.0	65.€	13.0	91.8	פרצ
	,•	100.0	100.0	170.0	170.0	1 10.7	29.7	72.7	79.0	21.3	84.7	37.0
	•	100.0	100.0	100.0	110.0	130.0	97.7	92.0	79.6	24.4	85.3	299
	. •	162.0	100.0	100.0	98.3	26.5	59.2	19.1	5.7	.7	62.5	299
	1:	10 1.0	170.0	96.0	79.3	45.3	17.3	7.7	3.3	1.3	50.7	370
	15	190.0	100.0	94.1	76.7	53.0	31.7	19.0	10.3	7.0	54.3	310
	1.5	100.0	120.0	98.3	92.3	79.	61.0	32.7	16.7	3.7	63.6	300
	21	100.0	100.0	100.0	170.0	28.0	87.3	70.0	25.7	٥.٠	76.3	300
					-			-		-		<del></del>
										+	<del></del>	
101	TALS	100.0	100.0	98.6	23.3	32.7	64.6	52.4	37.2	9.4	60.9	2398

# RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
⇒ 18 <b>61</b>	WHITING FIELD, FL	73-37	JHL

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PERCENT	AGE FREQUEN	CY OF RELATIV	E HUMIDITY GR	EATER THAN			MEAN → RELATIVE	TOTAL NO. OF
MONIH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OB5
JUL	ťΊ	107.0	170.0	100.0	ט.פרו	100.0	05.7	97.7	79.3	21.7	45.7	50.6
	. ?	100.0	189.0	100.0	130.5	130.0	100.0	79.4	91.6	31.6	48.2	:15
	.16	100.7	100.0	100.7	מ•מר נ	100.0	100.0	99.0	89.7	37.6	A8.3	310
	.)*	100.0	100.0	100.0	100.0	37.7	79.4	35.2	14.3	7.3	68.3	310
	1.7	130.0	100.0	100.0	75 . 2	63.5	33.5	20.6	11.6	4.2	58.3	*13
	1.	199.9	79.7	99.7	34.5	73.2	50.6	28.4	17.1	5.2	62.1	310
	16	100.0	100.0	190.0	99.0	93.2	90.3	46.7	25.2	7.7	70.9	310
	<b>31</b>	100.0	100.0	189.0	170.0	100.5	79.4	07.7	55.9	14.3	A1.2	310
				-		ļ		-			<u> </u>	~
101	ALS	100.0	100.0	100.0	98.5	91.5	PC-2	64.6	47.8	14.9	75.4	2474

# RELATIVE HUMIDITY

13541 WHITING FIELD, FL

73-32

1.10

STATION

STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PERCENT	AGE FREQUEN	CY OF RELATIV	E HUMIDITY GR	EATER THAN			MEAN - RELATIVE	TOTAL NO OF
MUNIA	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS
ttrij	1	137.7	106.0	100.0	170.7	100.0	09.7	78.1	47.1	37.4	49.3	310
	•	109.9	170.0	1 30.7	1 10 • 3	1/10.0	100.5	99.4	94.2	64.5	രവം∪	315
	Ťŧ.	100.0	100.0	150.7	100.0	100.0	100.3	99.7	96.5	45.1	90.6	310
	٥	100.0	100.0	100.0	120.3	79.7	91.3	52.3	15.5	4.2	71.9	315
	1	100.0	130.0	100.0	37.7	79.0	39.7	17.7	a.7	₹.0	60.2	310
	i, r	192.0	100.0	100.0	₹5.8	77.4	52.6	29.7	14.7	6.1	63.1	310
	:	100.0	100.6	100.0	29.0	95.9	a 5 • 1	57.7	37.6	11.3	73.9	31E
	21	100.0	100.0	100.0	170.0	100.7	98.1	97.6	66.5	23.9	84.1	315
		<u> </u>			<del> </del>			<del>                                     </del>				<del></del> -
												:
										! <b>+</b>		
тот	TALS	100.0	190.9	100.0	39.1	94.1	63.7	68.3	51.7	22.2	77.8	2483

## **RELATIVE HUMIDITY**

7.134.1	HHITING FIELD.	FL
		•

17-27

1FP

STATION

STATION NAME

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PERCENT	AGE FREQUEN	CY OF RELATIV	E HUMIDITY GR	EATER THAN			MEAN RELATIVE	TOTAL NO OF
MUNIH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS
	٠ ٠	189.3	130.0	100.0	113.0	100.0	96.3	93.6	76.3	25.4	R5.6	206
	~ !	137.8	100.0	100.0	100.0	100.0	99.7	97.0	83.7	34.7	87.6	300
	.7	107.0	170.0	100.0	170.0	100.0	100.0	96.7	96.0	36.₽	86.2	3···C
	1,4	100.7	170.0	100.9	9.7	96.7	83.7	52.7	21.3	5.3	71.5	 3110
	1 '	107.0	100.0	09.7	51.7	69.7	40.0	19.3	11.0	4.7	58.8	370
	: "	100.0	130.0	99.3	:7.7	67.2	44.3	26.3	15.3	5.3	63.2	370
	15	100.0	170.0	170.7	29.3	96.0	31.7	54.7	22.3	7.7	72.5	3 T C
	21	100.0	170.0	100.0	1:0.0	130.7	97.3	36.7	58.7	17.3	E1.6	300
		ļ	-	ļ	-	<del> </del>				ļ	· · · · · · · · · · · · · · · · · · ·	•
			<del> </del>	-						<del> </del>	<del>.</del>	
		<del> </del>		+	-			ļ		1	-	
TOT	ALS	127.5	130.6	19.9	7.3	91.1	FD.6	65.9	47.7	17.2	75.3	7379

4	

# RELATIVE HUMIDITY

41	aHITI'S FICE	O. FL
STATION		STATION NAME

77-23

SOT

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PERCENT	AGE FREQUENC	Y OF RELATIVE	HUMIDITY GR	EATER THAN			MEAN RELATIVE	TOTAL NO OF
MONIH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS
, ·	-	2 103.7	196.0	99.7	29.7	97.4	71.6	72.6	k4.:	11.6	77.3	3.2
	7. 7	100.0	100.0	100.0	1 10.0	29.4	90.5	×2.4	53.2	17.9	8,.5	51/
	•	100.0	100.0	190.0	79.7	49. u	97.1	86.1	59.7	17.5	P1.6	
		103.5	100.0	29.7	25.2	76.5	55.5	22.3	15.6	5.2	63.7	31
	1	130.0	9.0	89.4	15.2	39.7	21.3	11.0	. 1.1	2.6	49.1	31
	:	1r:.c	70.4	83.2	.7.3	37.1	23	12.3	7.1	1.3	97.8	31
	:	100.0	100.0	49.7	34.5	75.0	64.2	31.5	15.5	7.6	62.8	31
	. 1	:00.0	170.0	100.0	:9.4	76.1	92.6	58.1	32.9	6.0	77.1	31
							1					
										1		
									1			
101	ALS	100.0	29.7	96.5	-9.3	77.7	65.1	43.4	79.4	7.2	67.3	240

# RELATIVE HUMIDITY

5 * . 4 1	AHITING FIELD, FL	73-47	νον
STATION	STATION NAME	PERIOD	MONTH

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PERCENT	AGE FREQUENC	Y OF RELATIVE	HUMIDITY GR	EATER THAN			MEAN	TOTAL NO. OF
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS.
5 ) v	•	100.0	100.0	100.0	99.7	97.3	88.7	73.3	50.7	12.7	78.4	300
		100.0	100.0	130.0	190.0	98.3	92.5	77.7	57.3	16.3	60.1	378
	37	107.0	170.0	100.0	100.5	99.5	94.7	81.3	58.0	15.7	81.4	300
	, s.	100.0	100.0	99.7	94.7	76.7	62.7	53.3	36.0	8.3	68.9	370
	1 ~	100.5	09.7	A5 . 3	67.7	52 . ?	36.7	24.5	12.3	1.7	53.8	3 " 0
	1.	133.0	?£.0	81.7	54.0	51.3	36.0	25.7	13.C	2.3	52.7	\$10
	1.5	198.9	100.3	99.7	95.0	82.3	62.0	9.0	30.3	4.7	68.1	305
	. 1	100.0	100.0	100.5	39.0	93.7	83.7	66.3	47.3	10.3	75.4	300
											1	•
											+	•
101	ALS	100.n	09.7	95.4	90.5	31.4	69.6	56.3	37.5	9.0	69.9	2400

4

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

### **RELATIVE HUMIDITY**

7.7741

WHITING FIELD, FL

73-22

**33**6

STATION

STATION N

PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PERCENTA	AGE FREQUENC	Y OF RELATIVE	HUMIDITY GR	EATER THAN	<u> </u>		MEAN - RELATIVE	TOTAL NO. OF
MONIN	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS.
ררכ	2.7	133.7	1 10.0	100.0	79.4	94.3	F3.2	64.2	49.D	6.8	74.9	310
	0.7	100.0	100.0	100.0	19.4	94.9	R7.4	71.9	45.2	9.7	76.9	310
	٦٠.	190.7	100.0	100.0	*9.7	98.1	91.6	75.2	49.0	P.7	78.2	310
	4,0	100.7	100.0	160.0	07.7	85.5	69.0	52.3	31.6	7.7	70.2	315
	17	130.0	99.0	1.93	71.3	55.2	32.1	27.4	15.5	1.9	55.2	319
	1 r	173.0	77.4	80.0	62.6	49.4	39.0	25.2	12.3	1.6	52.5	310
	11	160 <b>.</b> 0	100.0	100.0	74.8	77.3	59.2	44.7	25.9	2.4	65.9	140
	2.1	190.0	100.0	100.0	98.7	90.3	74.8	55.3	34.6	5•8	71.7	379
								-				-
TO	TALS	150.0	29.6	96.0	20.5	80.7	67.8	52.0	31.3	5.6	68.2	2476

### **RELATIVE HUMIDITY**

93841

AMITING FIELD, FL

73-32

ALL

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PERCENTA	GE FREQUENC	Y OF RELATIVE	HUMIDITY GR	EATER THAN			MEAN RELATIVE	TOTAL NO. OF
MONIN	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS.
JAN	ALL	100.3	79.1	95.4	47.8	77.1	65.5	51.4	35.5	19.1	68.1	2476
रहा:		100.0	79.3	94.2	£6.5	75 · R	63.3	49.5	32.7	7.7	66.9	2256
** 447		100.0	29.4	94.7	66.0	79.1	67.0	54.5	38.7	9.9	59.8	2490
I PP		107.0	9.2	93.5	R4 . 5	74.4	8.03	47.9	32.1	8.1	65.6	2400
+ 4.4		160.0	9,9	97.3	91.0	80.5	66.4	51.7	35.3	6.4	69.6	2480
205		103.0	100.0	98.6	93.3	82.7	68.6	52.6	37.2	7.4	69.9	2398
JEL		100.0	100.0	100.0	28.6	91.0	80.2	64.6	47.8	14.6	75.4	2479
abē		100.0	100.0	100.0	¢9.1	94.1	R3.7	68.3	51.7	22.2	77.8	2480
1 <b>FP</b>		100.0	100.0	99.8	07.3	91.1	80.6	65.9	47.7	17.2	75.8	2399
oct		100.0	9.7	96.5	89.3	77.7	65.1	48.4	29.4	7.2	67.0	2490
NOV		100.0	79.7	95.8	90.0	91.4	60.6	56.3	37.5	9.0	69.9	2400
020		100.0	29.6	96.0	90.5	30 . 7	67.8	57.0	31.5	5.6	68.2	2478
101	TALS	133.8	99.7	96.8	21.3	52+1	69.9	55.3	38.1	10.8	70.2	29206

WIND DIRECTION

JANUADY 1973-DECEMBER 1982

				W	IND DIRE	CTION					
TEMP.	NNW & N	NNE :	ENF 8 E	ESE & SE	55 E & 5	55.0 \$ 5.1v	wsw 8 v	WNW & NW	CALM	TOTAL FREQ.	OF TOTAL
122 -											
117 TG 121											
112 TO 116										"	
107 TO 111											
102 TO 106				·							
a7 TO 101							·				
92 TO 96											
  87 TO ₹1											
82 10 86											
77 TO 81					43.0	40.0	20.0				• ?
72 10 76	7.3	3.8	1.9	3.6	49.1	25.5	1.8	3.6	3.6	5 5	2.2
67 10 71	2.8	2.3	1.7	14.1	44.1	18.1	6.8	4.5	5.6	177	7.1
62 10 66	7.1	2.0	3.7	14.1	31.6	13.8	8.1	6.1	13.5	297	12.0
57 TO 61	14.2	4.3	6.7	18.2	17.0	5.3	6.7	8.3	18.2	253	10.2
52 TO 56	17.7	10.0	15.0	23.7	7.3	6.3	4.7	9.3	16.7	300	12.1
47 TO 51	21.2	15.7	13.5	9.3	2.6	3.8	6.4	7.7	19.9	312	12.6
42 10 46	32.2	13.4	19.1	5 . 4	1.4	1.4	4 . 3	12.3	19.2	276	11.1
27 10 41	37.4	15.7	5.6	5.2	• 3	• 3	4.5	12.6	17.1	284	11.6
32 TO 36	36.2	18.6	9.3	2.5		. 4	2.5	13.3	17.2	279	11.3
27 10 31	43.2	14.2	3.9	1.3	7.		.6	13.5	23.2	155	6.7
22 T-3 26	43.3	17.2					5.2	5 . 2	24.1	5 9	2.3
11 10 21	37.5	31.3	6.3		i			6.3	18.8	16	.6
12 10 16	55.7	i			i				14.3	7	• !
1 10 11											
2 10 6											
-3 10 1			I			i					
8 73-4											
- 13 70 - 4		1								l	
-18 10-14			i			L					
- 23 TO - 19											
38 10 24			1			I	<u>.</u> T				
-33 10-24		\					I	I	i		
-38 TO -34			T			I	I				
-43 10 37				· · · · · · · · ·		<u> </u>					
15 14					. 1			_ [			
"0 -41									<del>.</del> <del>.</del> <del>.</del> <del>.</del> <del>.</del> <del>.</del> <del>.</del>		· · · · ·
js. 10=54				· · · · · · · · · · · · · · · ·							
59 4 1 WP									l		
TOTALS	23.9	11.C	∂ <b>.</b> ∩	0.	11.3	5.7	5 - 11	9.4	16.6	2475	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE vs. WIND DIRECTION

JANUARY 1973-DECEMBER 1982

		5 (A-154 %A-					TEAHS			404.2	
		·		W	IND DIRE	CTION					
TEMP.	NAM & N	NNE & NE	ENE & F	ESE & SE	55E & 5	\$\$W & \$W_	wsw & w	WNW & NW	CALM	TOTAL FREQ.	TOTAL
122 -											
2 TC 121											
2 TO 116											
77 10 111											
2 10 106											
7 TO 101											
10 40											
10 91											
2 10 36	1										
10 81	4.2	8.3	4.2		41.7	16.7	12.5	12.5		24	1.
2 10 76	7.9	1.3		3.9	31.6	30.3	11.5	9.2	3.9	76	3
10 71	6.1	1.9	. 9	8.8	32.9	29.2	12.5	4.6	3.2	216	9
2 10 66	8.3	3.5	5.1	13.4	24.4	15.0	13.8	9.1	7.5	254	11
7 10 61	12.5	3.2	5.7	15.0	17.5	8.9	12.9	11.4	12.9	280	12
7 TC 56	17.9	6.3	34.4	10.4	7.5	7.5	9.5	11.5	14.7	347	15
7 10 51	26.9	11.7	9.7	9.0	1.7	2.8	6.2	10.3	21.7	790	12
2 10 45	27.5	15.4	10.0	7 . 1	1.4	1.1	7.5	12.1	17.9	280	12
7 10 41	73.9	20.1	14.3	1.8		. 4	3.6	7.6	18.3	224	9
2 10 36	77.3	25.5	11.8	1.3		1.3	2.6	2.6	17.6	153	6.
7 10 31	42.5	26.4	2.3				2.3	9.2	17.2	97	3 .
2 10 26	82.6	13.0	4 . 3							23	1.
7 10 21	50.0	50.0			i		1			2	
10 %											
TQ 11			1								
TO 5											
3 10 1											
510-4								i			
10 10 -4											
18 1 14											
23 f.5 = 19											
25 10 - 24											
33 TO - 29											
38 TO -34											
.43 TO - 39											
45 f.c - 44											
13.771-49											
.8 0 54											
1000											
TOTALS	21.4	10.4	9.5	8.2	11.1	8.6	8.7	9.3	13.6	2256	100.

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION
L JANUARY 1973-PECEMBER 1982

		TATION NA	• •	<b>w</b>	IND DIRE	CTION				V.C.V. H	
TEMP.	NNW	NNE	ENE	ESE	SSE	55 V	wsw	www	CALM	TOTAL	r. OF
TENP.	8 14	& NE	8 E	8 58	2.5	8 SW	8 1/1	BNW	CALM	FREQ.	TOTAL
122 .											
117 TO 121											
112 10 116											
107 10 111											
102 10 106				I							
97 TC 101											
92 10 96											_
87 10 91				i							
82 TO 86	5.3	10.5	5.3		10.5	26.3	26.3	10.5	5.3	19	•
77 TO 81	9.1			2.3	45.9	25.0	9.1	2.3	3.4	88	3.
72 10 76	2.5	1.7	1.7	8.3	47.7	26.1	5.8	5.0	1.2	241	9.
67 10 71	7.3	2.6	3.1	10.4	39.1	24.6	8.7	5.2	4.0	423	17.
62 10 66	10.2	5.5	5.1	18.9	29.1	7.8	7.2	4.7	10.5	488	19.
57 10 61	15.5	8.8	11.1	16.7	16.2	7.6	4.7	6.9	12.5	417	16.6
52 TO 56	23.8	12.4	13.3	11.5	5.0	1.7	3.7	10.2	18.3	323	13.
47 10 51	29.9	14.7	10.9	3.8	2.4	• 9	3.3	10.4	23.7	211	8 .
42 10 46	35.9	12.€	7.1	1 . 3	. 6	.6	6.4	7.7	27.6	156	6.
37 10 41	27.4	19.0	5.0	1.2		2.4	3.6	9.5	31.0	P 4	3.1
32 10 36	37.5	12.5	4.2	4.2		4.2			37.5	2 4	1 .
27 10 31	50.0	10.0	T.	1			· · · · <del>T</del>		70.0	10	• 1
22 10 26	66.7							33.3	!	_ 3	
17 to 21	66.7							33.3		3	•
12 1 3 16		i									
7 10 11											
2 10 6				1							
-3 10 1		Ī									
6104											
- 13 to - ?											
. 18 to=14			Ī						7		
- 23 TO- 19		i						1			
-28 TO-24											
- 33 TO - 29											
-38 TC -34											<del></del>
45 to - 39											
Sc * 5 - 44											-
· · · · 4 · j				•		1			t		
- IF TO - 54											
57 A 1 WP											
TOTALS	16.0	7.7	7.1	11.1	22.2	17.4	6.0	6.7	12.7	2457	100.1

VS.

WIND DIRECTION

WHITING FIFLD, FL

JANUARY 1973-DECEMBER 1982

TEMP.	NNW	NNE	ENE	ESE	\$5 E	55 W	wsw	www	CALM	TOTAL	4- 3F
<del></del>	8 N	8 NE	8 f	4 SE	4.5	& 5W	8 W	ANW		FREQ.	TOTAL
122 -	<del></del>						<del>.</del> .				
17 10 121	——- <del> </del>								+		
112 10 116	+				+				+		
07 10 111		—— <del>-</del>	+		+	<del>+</del>					
02 TO 106							<del>-</del>		$\longrightarrow$		
2 10 %					<del></del>		· <del></del>			+	·
7 TO 91		15.4	7.7	15.4	15.4	30.8	15.4			17	
12 10 96	7.4	7.4	3.7	8.6	35.8	16.0	12.3	7.4	1.2	81	3
7 10 81	5.5	5.2	4.8	11.1	33.6	20.7	7.7	6.6	4.8	271	11.
2 10 76	10.0	3.5	4.2	11.2	40.2	17.8	4.2	6.3	2.6	428	17.
7 10 71	12.1	4.2	4.4	11.0	28.3	13.3	8.9	7.2	10.6	473	19
2 13 66	16.3	8.0	11.2	14.2	10.3	5.3	6.0	7.1	21.6	436	18.
7 10 61	20.7	10.5	9.9	6.7	2.3	1.5	6.1	8.7	33.5	343	14
2 10 56	31.2	10.9	12.4	4.5	1.0	1.0	5.4	5.9	27.7	202	8.
7 10 51	27.2	7.9	4.4	2.6		. 9	7.9	11.4	37.7	114	4
2 10 46	27.6	70.7					5.9	10.3	34.5	29	1.
7 10 41	?2.2	33.3					11.1	11.1	22.2	3	
12 70 36		<del></del>							100.0	1	
7 10 31											
22 TO 26											
10 21											
2 10 16		!									
to 11											
10.6											
-3 to '											
6 10-4											
13 to - 9											
18 1014											
· 25 TO 19											
- 28 10 24											
- 33 to - 29											
-38 TO-34											
-43 TC- 39											
46 10-44											
-53 10 - 44											
25 10 54											
50 K (WR		I									
TOTALS	15.3	7.0	7.0	9.5	20.1	10.1	6.8	7.3	16.5	2400	100.

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.
WIND DIRECTION

HITING FIELD, FL

I

JANUARY 1973-DECEMBER 1992

				₩	IND DIRE	CTION					
TEMP.	NNW & N	NNE 8 NE	ENE & E	ESE & SE	\$5E & \$	55W & SW	wsw a w	WWW &	CALM	TOTAL FREQ.	Se OF
122 -											
117 10 121										-	
112 10 116									-		
107 TO 111											
102 TO 106											
97 10 101	120.0						1			1	• 7
92 10 %	15.3				36.8	5.3	15.8	5.3	21.1	10	- 8
87 10 91	11.4	4.5	6.1	3.0	25.0	18.9	10.6	8.3	12.1	1 32	5.3
82 TO 86	9.3	5.0	4.7	7.0	31.3	21.0	8.7	9.0	4.3	300	17.1
77 TO 81	10.0	7.4	5.7	6.1	31.2	22.7	6.6	5.7	4.6	453	18.5
72 TO 76	6.7	6.1	5.7	10.5	22.2	15.9	8.4	3.9	20.4	510	20.6
67 10 71	10.6	8.1	10.8	9.3	8.8	7.9	9.3	5.2	30.1	558	22.5
62 TQ 66	19.2	12.0	10.5	11.1	1.5	2.3	5.5	9.4	33.5	343	13.8
57 TO 61	26.3	13.5	3.8	2.3	. 8	2.3	7.5	6.8	36.8	133	5.4
52 TO 56	44.0	8.0	4 . D				4.0	8.0	32.0	25	1.0
47 10 51		<u> </u>							100.0	1	• 0
42 10 46		1									
7 10 41											
32 10 36											
27 10 31											
22 10 26											
11 10 21											
1210 16											
7 10 11											
2 73 6											
-3 10 1				+-							
8 TO-4											
13 10 . 4											
- 18 TO14											
-23 10 19											
28 TO 24							· ·				
- 33 TO - 24											
-38 to-34											
-43 to 39					1						
48 10 ~ 44			1								
- 12 10 - 47 [	i		•		i						
56 TO 54											
- 59 A LWR					1						
TOTALS	12.0	7.7	7.2	8 . 1	17.9	13.3	9.0	5.6	20.1	242	100.0

vs.

WIND DIRECTION

JANUARY 1973-DECEMBER 1982 JUNE

		512.104 (4.		V	IND DIRE	CTION	,,,,,,				
TEMP.	NNW 8 N	NNE & NE	ENE & E	ESE & SE	55E & 5	ssw & sw	wsw & w	WNW & NW	CALM	TOTAL FREQ.	OF TOTAL
122 -											
7 10 129											
12 70 116											
7 10 111									1		
02 TO 106											
7 to 101						50.0			50.0	2	•
12 16 76 .	24.5	5 . 8	5.3	2.9	12.2	12.9	16.5	12.2	7.9	139	5.4
2 5	14.7	5.9	7.1	3.5	20.3	21.2	12.9	7.9	6.5	340	14.
12 113 36	15.1	6.1	7.0	6.3	20.7	17.9	12.4	7.6	6.8	459	19.1
77 142 81 1	9.6	5.0	5.3	5.0	15.1	15.3	14.6	3.7	26.5	43R	18.
12 10 %	12.9	5.9	8.2	6.1	4.6	7.5	11.9	2.7	40.2	657	27.4
, To n	23.0	10.0	11.3	5.2	3.2	2.9	6.1	4.5	33.7	309	12.9
2 10 66	42.3	19.2	3.8	3.8	1.9		1.9	9.6	17.3	52	2 . 2
57 T. 65	100.0									2	• 1
52 70 16		1									
r 10 51											
1. 10	T										
<u> </u>											
3; 10 16											
<u> </u>				1							
22 10 76											
2.7.		I									
1, 10 %											
				1							
2 10 6											
- 10 1											
6 70 - 4											
13 70 - 9	<del>-</del>	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·							
- 18 7.J14 ·											
- 23 TO -19											
- 26 10 - 24		L									
-33 70-29											
-38 10 -34											
43 10 - 39											
48 10 -44											
- 53 10-44											
- 38 10 - 54											
- 57 A. (WR											
TOTALS	15.6	6.6	7.4	5.2	12.0	12.4	11.9	5.5	23.3	2397	100.0

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VS.
WIND DIRECTION

JANUARY 1973-0000 MBER 1982

				—. ¥	IND DIRE	CTION					
TEMP.	NNN N B	NNE & NE	ENE & E	ESE & SE	55 E & 5	55 W 8. 5 W	wsw &	WNW	CALM	TOTAL FREQ.	TOTAL
122 -			1								
117 TO 121											
112 10 116											
107 10 111								1			
102 TO 106								100.0		1	. 0
97 70 101	39.1	4.3			8.7	13.0	4.3	26.1	4.3	23	. 9
92 10 96	23.6	8.5	3.0	2.0	12.6	9.0	11.6	15.6	9.0	199	9.0
57 TO 91	12.7	5.2	7.8	4.6	16.7	18.7	12.1	12.7	9.5	347	14.7
82 TO 86	11.7	4.7	5.5	6.5	18.4	19.4	15.4	9.2	9.4	403	16.3
77 10 81	7.7	4.2	5.4	5.0	11.8	12.9	16.0	5.7	31.3	595	24.0
72 10 76	10.7	6.8	9.7	7.3	4.6	4.7	9.2	5.9	41.1	*11	32.7
67 TO 71	9.0	12.0	9.0	9.0	3.0	3.7	10.0	6.0	39.0	100	4.0
62 10 66										I	
57 10 61											
52 10 56									i		
47 10 51			<u> </u>								
42 TO 46											
37 10 41											
32 10 36											
27 10 31				~							
22 10 26											
17 10 21											
12 TO -6											
7 to 11											
2 10 6											
- 3 TO 1											
- 810-4											
-13 10 -9											
18 10 14											
-23 10 - 19											
- 28 TO 24					· <del> </del>						
. 33 to - 20											
-38 10 -24											
42 10 32							<b>-</b>				
as 12 - 11		į.									
	+		·								
. 10 1											
_2: : \ <u>\</u>											
TOTALS	11.7	5.9	7.6	5 . 8	10.9	11.4	12.4	8 . 4	26.0	2479	100.0

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13.7

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.
WIND DIRECTION

<u>,</u>	·	<del> , .</del>		W	IND DIRE	CTION	·				
TEMP.	NNW & N	NNE 8 NE	ENE 8 E	ESE & SE	55E & 5	55W & 5W	8.0	8 NW	CALM	TOTAL FREQ.	TOTAL
122 -					•	+					ļ
117 10 121											
112 10 116						🗼					
107 10 111											L
102 TO 106			↓								
97 10 101	130.0									1	• :
92 10 96	24.6	4.8	9.5	4.7	15.1	11.1	11.1	12.7	7.1	124	5.1
87 TO 91	13.0	10.4	11.3	7.8	22.0	9.0	8.4	13.7	7 . 2	345	13.5
82 TO 96	9.5	7.7	13.3	10.4	17.2	14.4	10.2	6.1	11.3	443	17.9
77 TO 81	8.6	7.4	12.1	7.2	9.4	10.5	10.7	4.5	29.6	467	19.6
72 10 76	12.1	11.0	15.8	4.7	3.0	2.4	3.6	2.2	45.1	994	36.2
67 10 71	18.4	17.2	10.9	3.4	2.9	. 6	1.1	1.1	44.3	174	7.5
62 TO 66	93.3	16.7				Ţ				6	• 2
57 TO 61	i				Ţ		Ţ				
52 TO 56			l.		- 1	7		1			
47 TO 51						I					
42 10 46			_								
37 to 41											
32 TO 36						T					
27 TO 31											
22 TO 26			T								
12 10 21							Ţ				
12 10 16		i									
7 TO 11											
2 10 6											
-3 10 1											
-610-4											
13 TO 9								1			
- 18 tQ14											
- 23 10 - 19											
-28 10-24											
-33 10-29											
-38 TO-34											
-43 10 - 39											
- 46 1044											
-53 to - 42											i
58 TO - 14											
. 50 4 LWP	1										
TOTALS	12.4	9.8	13.3	6.5	10.0	7.4	7.0	5.0	28.6	2480	100.0

VS. WIND DIRECTION

JANUARY 1973-DECEMBER 1982

				٧	IND DIRE	CTION			_		
1844₽.	NN/S & N	titut 8 NE	FNF 6 5	614 5 5 6	55F & 5	55W 8.5W	wsw w &	WNW 8 NW	CALM	TOTAL FPEQ.	OF TOTAL
122											
117 10 121											•
112 10 116											
107 10 111									1		
102 10 '06											
197 10 101											
92 10 96	19.1	17.0	19.1	12.5	2.1	10.6	4.3	13.6	4 - 3	47	2.0
87 TO 91	17.9	8.7	11.8	11.8	19.2	10.9	9.2	7.0	3.5	279	9.5
82 10 86	15.6	10.0	20.6	8.3	12.4	15.3	5.3	5.9	6.5	339	14.1
77 10 81	14.8	10.8	16.9	9.3	12.4	8.0	8.0	3.2	16.7	474	19.5
72 10 76	14.9	12.6	21.9	5 . 8	1.8	1.9	5.9	3.6	31.5	777	32.4
67 10 71	22.8	21.9	23.5	2.2	2.2	• 3	1.5	4.9	26.7	324	13.5
62 10 66	43.8	23.4	9.4	1.6			1.6	6.3	14.1	128	5.3
57 TO 61	50.0	16.7	2.1				4.2	6.3	20.8	49	2.0
52 TC 56	0.0	9.1	4.5				4.5		31.8	5.5	. 9
47 10 51	41.7	8.3	·					16.7	33.3	12	. 5
42 10 46											
3* TC: 41											
32 10 36											
27 10 31									i		
22 10 26											
17 10 21											
12 TO 16											
7 to 11											
2 10 6											
- 1 10 1											
- 510-4											
13 10 - 0									·		
- 18 10 - 14				·							
-23 TO 19				+							
- 28 1024	+										
-33 10 - 29						+	+				
-38 1O=34							<del></del> +				
-43 to - 39	+				<del>+</del>	+					
45 To 44							<del></del>				
53 Tu = 4-	+	+-		<del></del>							-
- 38 10 - 54							<del>-</del>				
-59 8 LWP	19.1		1	i			1	4	í	2470	100.0

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.
WIND DIRECTION

TEMP.	NNW	NNE	E1∿F	ESE	SSF	55 00	w. 5 w.	WNW		TOTAL	o ar
TEATP.	8 N	8 NE	8 F	8 SE	8.5	8 5 W	8 %	8 NW	CALM	FREQ.	TOTAL
122 -		i				i		[			
117 TO 121					Ţ						
112 10 116					I						
וויסד 101											
102 TO 106			— T								
97 to 101											
92 10 96			1		<u>-</u>						
87 10 91	17.4	26.1	21.7	4.3	4.3		13.0	3.7	4.3	23	•
82 TU 86	17.9	15.2	7.6	12.4	19.6	9.7	5.5	8.3	4 . 8	145	5.
77 10 61	16.2	13.1	12.7	12.7	21.2	11.2	3.5	3.8	5.8	267	10.
72 10 76	16.9	14.C	15.0	15.7	11.4	5.8	4.8	3.6	12.8	414	16.
67 10 71	19.1	14.4	19.4	10.0	3.4	3.0	7.1	5.9	17.8	430	17.
o2 TO 60	29.4	15.D	18.1	4 . 4	1.3	1.7	4.1	3.5	22.4	459	18.
57 10 61	37.3	19.0	13.1	. 9	. 3	• 6	2.1	4.3	22.3	327	13.
52 TO 56	48 . A	17.2	8.4	1.0			1.5	4.9	18.2	203	۹.
47 10 51	42.1	24.1	2.1	1.4	1			4 - 1	26.2	145	5.
42 10 46	56.1	14.0	1.8				1.8	3.5	22.5	57	?•
37 TO 41	62.5								37.5	ε	
32 10 36									-		
27 TO 31											
22 10 26											
17 10 21			I.								
1. 10 16									i		
/ fo ti										1	
2 10 6											
-3 to 1											
610-4											
-13 to 9	<u>-</u>						1				
181014											
- 23 to 19											
- 25 TO - 24								-			
33 TO 29							1				
-38 T-2 -24											
43 10 - 39											
45 1.5 44											
- 53 TO -47											
- 18 10 54		·		-							
. 50 K LWP	†						<del> </del>				
TOTALS	27.4	15.8	13.8	7.6	6.1	3.6	4.1	4.6	17.0	2480	100.

VS.

WIND DIRECTION

"HITING FIELD, FL

JANUARY 1973-DECEMBER 1982

				W	IND DIRE	CTION					
TEASP.	NNW 8 N	NNE & NE	ENE A E	ESE & SE	55 E & 5	\$\$W <b>\$</b> \$W	wsw 8 A	WNW 8 NW	CALAS	TOTAL FREQ.	TOTAL
122 -											
17 10 121						T					
112 TO 116						T				I	
07 10 111											
02 FO 106											
17 70 101											
2 10 %											
2 - 1 41											
12 112 80		72.2		11.1	33.3	22.2			11.1	ç	•
17 TO 81	7.5	11.9	3.3	7.1	48.3	4.8	2.4	6.0	1.2	6.4	3.
12 10 76	7.6	3.3	8.5	20.9	38.4	10.4	1.9	5.2	3.5	211	В.
1 12 71	8.3	8.0	16.0	19.3	16.8	8.0	6.4	8 . 3	8.8	374	15.
2 1 66	15.4	10.0	16.7	16.4	9.7	4.1	3.1	3.3	21.3	3.00	15.
57 10 at 1	26.3	10.1	17.3	9.0	3.0	3 . 8	2.7	4.9	22.7	365	15.
12 10 56	34.9	17.1	13.6	4 . 4	1.9	• 3	1.9	4.7	21.2	316	13.
U 10 31	35.6	18.9	8.7	4.0	. 4	. 7	2.2	7.6	21.8	275	11.
42 TO 46	48.3	12.2	4.7				1.7	7.6	25.6	172	7.
* * 5 41	37.3	17.8	2.5	1.7			. 8	7.6	32.2	114	٠.
32 1 2 36	47.3	8.1		1.4	1		4.1	5.4	33.8	74	Ţ.
27 *3 31	50.€					i	<del>_</del>		F ( - 0	6	•
22 10 26	100.0									i.	•
11 10 21											
17 10 16	T			:							
7 10 11											
2 10 6			1			T	I				
3 tc t							1				
ه ۱۰۵۰ ه											
-13 10 - 9										1	
18 1.014		1	]								
. 23 1519							I				
- 28 10 24		1				T				i	
- 33 10 - 29				· · · · · · · · · · · · · · · · · · ·	Ţ	Ĭ					
-36 TO -34											
4 , 10 - 32	Ī				i					1	
15 7 7 4.1											
iv 4	1				1						
-58 10 - 54											
52.8 LWR											
TOTALS	24.5	11.6	12.1	10.3	10.2	3.8	3.0	5.8	18.6	2470	100.

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### vs.

### WIND DIRECTION

- - - - - HITING FIELD. FL JANUARY 1973-DECEMBER 1982 DECEMBE

TEMP.	NNV	NNE	ENE	ESE	\$5 E	wez	wsw	WNW	CALM	TOTAL	. Of
IEMP.	8 N	8 E	8.1	A SE	8.5	& SW	8 //	& NW	CALM	FREQ.	TOTAL
122 -											
117 10 121											
112 TO 115											
107 10 111											
102 TO 106				 							
97 T.) 101											
92 10 fe j											
87 TO 91			<u> </u>					·	i		
82 TO 86											
77 TO BI				43.0	30 • D		30.0			1 ^	<u> </u>
72 TO 76			1.9	25.4	47.2	14.2	6.6	. 9	2.8	176	4.
67 10 71	3.3	1.1	2.2	21.7	34.2	19.6	8.7	3.8	5.4	184	7.
62 10 66	5.4	3.6	5.7	25.4	21.4	14.6	7.0	7.9	B . 2	280	11.
57 TO 61	16.7	6.8	13.5	16.5	10.3	3.5	7.1	9.4	14.2	310	12.
52 TF 56	24.5	11.7	15.7	12.5	3.6	2.6	3.2	9.9	16.0	343	13.
47 10 51	28 - 1	11.9	12.5	10.1	1.4	1.7	6.4	9.3	18.6	345	13.
44 10 46	33.2	15.5	11.2	5.4	• 6	• 6	4.9	12.0	16.6	349	14.
37 TO 41	41.3	11.3	5.3	1.2			3.6	11.7	25.5	247	10.
32 70 76	78.0	13.4	4.3	2.7			2.7	8.	31.0	1 8 7	7.
27 10 31	37.1	13.4	7.1	1.3			1	10.3	33.0	97	3.
12 10 26	70.6				<u> </u>				20.4	17	•
1 10 21	-,6.7	73.3					· · · · · · · · · · · · ·			₹	•
12 10 16										·	
7 10 11			· · - · + ·		· · · · · · · · · · · · · · · · · · ·						
2 10 6								— — <del></del>	i	i	
. i to i											
3 3-4		<u>.</u> .			i		1				
13 10 9	·		i								
16 7 3 14					i						
20 TO 17											
- 28 TC -24			[								
-33 TO -24		i	L	· 		Ĺ		i			
38 f.3 341			1			I					
-45 ( 32		L				<u></u> I					
15 T.S - 44					I						
5 15 45			T								
56.10 14											
15.8 (15.9)			į	•	1						
TOTALS	24.2	9.5	9.0	12.1	9.2	4 . 8	5.5	8.9	16.7	2478	100.

٧s.

WIND DIRECTION

7-41 HITTHS FIELD. FL JANUARY 1973-DECEMBER 1982 AL

WIND DIRECTION NNW 558 \$5 W wsw TENSP. CALM & SE FPEQ. TOTAL 122 117 10 121 112 TO 116 107 10 111 100.0 102 10 106 14.4 3.7 22.2 • 1 97 TO 101 45.7 3.7 7.4 27 53~ 92 10 36 23.4 7.4 8.3 3.6 13.0 10.6 12.3 13.2 8.3 1.8 7.6 9.2 13.9 6.2 19.8 15.5 9.6 1427 4.9 10.8 7.3 18/ 10 91 2127 7.4 9.8 12.4 8.0 20.1 17.0 10.5 7.6 7.2 7.5 82 TC 86 7.3 10.9 10.0 7.1 8 . 6 19.7 14.2 10.2 4.7 18.1 31 94 27 TO 81 7.0 8.7 8.5 27.7 5184 17.7 11.1 11.2 14.2 6.7 4.0 72 10 76 10.3 12.5 7.4 17.6 3751 8.6 10.3 17.6 10.2 5.5 12. 67 10 71 10.7 16.7 8.8 10.1 13.6 14.5 6.8 6.2 5.6 17.7 3133 62 10 66 22.0 10.8 5.8 8.5 9.6 10.9 8.5 4.3 7.5 20.5 2469 57 10 61 4.1 52 to 56 27.4 11.9 13.4 8.7 3.0 4 . 4 8.4 18.6 2081 7.1 14.9 29.3 9.9 1705 5.8 6.7 1.4 1.8 4 . 8 8.8 22.6 47 10 51 1319 35 • N 8.7 20.5 5.0 10.6 4 . 2 . 8 4.5 42 10 46 7.4 22.7 36 . 8 16.2 2.5 . 4 3.6 10.2 976 J 10 D 23.4 38.0 17.4 7.4 2.2 718 2.5 • 6 2.6 8.4 32 10 36 357 27 10 31 42.0 16.5 3.1 1.4 10.9 25.2 1.2 12.4 125 61.9 3.8 18.1 32 10 .6 1.0 2.9 . 4 24 1 10 21 45.8 29.2 12.5 • 1 45.7 • " 12 10 16 7 10 11 2 70 5 3.10.1 - 213-4 - 13 10 - 4 - IN TO-14 23 10 - 19 - 28 10 - 24 -33 TJ-29 - 38 TO - 34 48 1.3 44 -08 TO - 54 F.4 12.3 7.7 10.0 8.1 7.0 6.8 19.1 TOTALS

NAVWEASERVCOM

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NOCD, Federal Building Asheville, N. C.

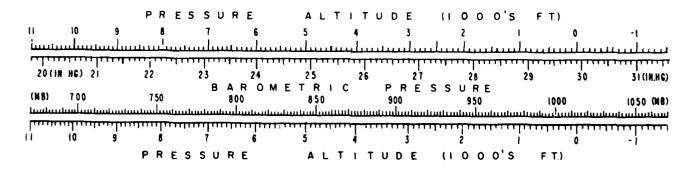
### PART F

### PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly symoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

- 1. Station pressure in inches of mercury.
- 2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



### MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

97841 WHITING FIELD, FL

73-82

JUN. JUL. AUG. SEP. OCT. NOV. HRS.(L.S.T.) APR. MAY 1020.11019.71016.91017.21014.51015.81016.41016.71015.41017.71019.51020.1 1017.5 5.276 5.762 5.531 4.839 3.661 2.693 2.384 2.249 3.147 3.825 4.436 5.615 S D 4.770 310 TOTAL OBS 310 300 310 300 309 310 300 3650 200 1619.91619.24616.24016.61014.04015.34015.84016.14014.91017.54019.12019.8 MEAN S. D. 6.312 5.619 5.632 4.888 3.751 2.644 2.351 2.239 3.129 3.935 4.517 5.655 4.949 TOTAL OBS 232 300 310 300 310 310 310 \_\_\_\_300 \_\_\_\_310 300 3651 MEAN 1020.31019.9h017.2h017.7h015.1h016.3h016.9h017.2h015.eh016.5h017.eh020.2 1017-9 5.371 5.875 5.585 5.049 3.807 2.702 2.420 2.320 3.363 4.025 4.654 5.838 S. D. 4.849 TOTAL OBS 310 300 \_\_310 \_\_\_300 310 300 310 300 3651 1721.81021.31018.41018.61015.81016.91017.71019.01016.71019.51021.01021.5 1018.9 5.448 5.900 5.622 5.217 3.800 2.729 2.466 2.352 3.227 4.064 4.754 5.847 300 282 310 300 310 299 310 310 300 310 300 310 S. D. 4.978 TOTAL OBS 3550 1020.51020.31017.61017.81015.11016.21017.01017.21015.81018.11019.51020.1 6.349 5.694 5.557 5.124 3.773 2.702 2.391 2.367 3.067 3.987 4.568 5.696 3.10 282 310 300 310 300 310 300 310 MEAN S. D. 4.799 TOTAL ORS 1018.91018.31015.81016.21013.71014.91015.61015.71014.21016.61018.11018.7 1016.4 SD 0.233 5.583 5.477 5.009 3.682 2.689 2.459 2.365 3.021 3.799 4.390 5.428 4.679 1 300 310 310 300 310 310 310 300 3652 282 300 1717-61018-81016-01016-21013-61014-81015-61015-61014-51017-11013-81019-4 MEAN S. D. 5.230 5.561 5.516 4.925 3.637 2.689 2.412 2.234 3.041 3.809 4.442 5.367 4.764 TOTAL OBS 310 300 310 300 310 310 300 310 300 3651 282 310 1020.41019.81017.11017.31014.71016.01016.71017.11015.71018.31019.71020.2 MEAN 1017.7 S. D. 4.735 ٦ <u>۱</u> TOTAL OBS 3651 1720.21019.71016.91017.21014.61015.51016.51016.71015.41017.91019.41020.0 1017.5 5.356 5.788 5.596 5.048 3.787 2.769 2.509 2.413 3.224 3.990 4.700 5.651 2476 2256 2480 2400 2480 2490 2478 S. D. 4.863

### **MEANS AND STANDARD DEVIATIONS**

STATION PRESSURE IN INCHES HE FROM HOUPLY OBSERVATIONS

93841

WHITING FIELD, FL

73-82

STATION		STATION NAME						YEARS							
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
	MEAN	25.930	29.918	29 .8 37	29.849	29.770	29.809	79.828	29.836	29.797	79.865	29.914	29.931	29.85	
75.7	S. D.	.184	.168	.164	.142	.108	. 382	.072	.070	.093	.113	.131	.156	.14	
	TOTAL OBS	309	282	310	300	370	300	309	313	300	310	200	310	36	
~ 7	MEAN	23.922	2 + - 903	79.516	29.829	29.754	29.793	29.810	29.819	29.781	29.857	29.902	29.972	29.8	
	\$. D.	196		l .		1					Į.			. 1	
	TOTAL OBS	109												36	
	MEAN	27.934	29.925	29. 147	29.860	29.787	29.825	29.842	29.850	29.808	29.885	29.923	29.931	29.8	
••,	\$. D.	.127		I <sup>*</sup>		.112			Г					• 1	
	TOTAL OBS	3:59												36	
7.7	MEAN	22.980	29.965	29.882	29.890	29.81C	29.843	29.866	29.875	29.835	29.916	29.959	29.973	29.8	
	S. D.	.189												. 1	
	TOTAL OBS	3.09		1	_								310	36	
	MEAN	79.942	29.737	29.861	29.867	29.787	29.823	29.846	29.853	29.807	29.977	29.917	29.933	29.8	
1	S. D.	.137			.151									. 1	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	36	
1:	MEAN	29.897	29.879	29.808	29.820	29.746	29.783	29.804	29.808	29.763	29.832	29.874	29.892	29.8	
	S. D.	.124	.164	-163	.148	.110	. 083	.073	.072	.089	.113	.130	.161	• 1	
	TOTAL OBS	310	232	310	330	310	300	310	310	300	310	300	310	36	
	MEAN	29.917	29.892	29.811	29.823	25.742	29.780	20.803	79.809			29.893	29.911	29.8	
1 	S. D.	.183	.163	.163	.145	-108	.083	.072	.070	• 89 0	.112	.132		• 1	
	TOTAL OBS	312	282	310	300	310	300	310	310	300	310	300	3 0.9	36	
. 1	MEAN	27.940	29.920	29.842	29.851	29.776	29.814	29.835	29.846	29.807	29.460			29.8	
	\$. D.	.157	.146	•160	.144	•1∩6	.081	.072	• 06.9	• 39 1	.112	.134		. 1	
	TOTAL OBS	310	232	310	300	310	300	310	319	300	310	300	309	36	
ALL HOURS	MEAN	29.933	29.917	29.838	29.848	29.771	29.809	29.829	79.537				29.929	29.5	
	S. D.	.147		.165								.136		- 1	
	TOTAL OBS	2476	2256	2480	7470	2480	2199	7470	2480	2400	2480	2400	2478	292	

# END DATE FILMED 7-85